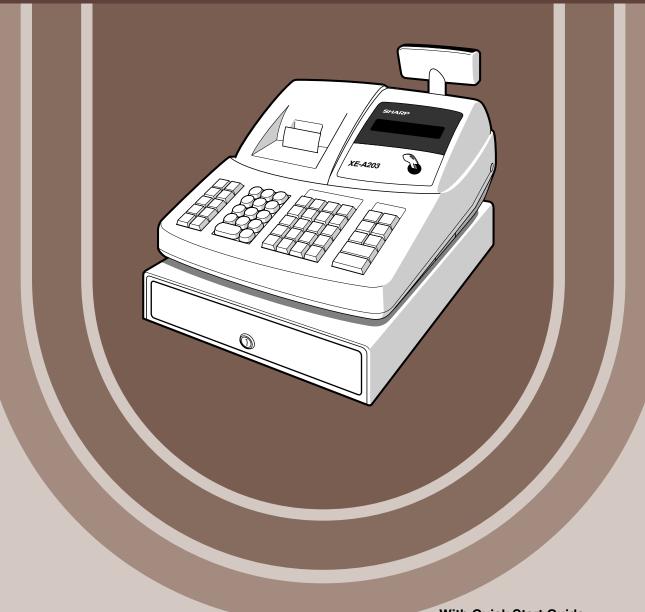


ELECTRONIC CASH REGISTER
ELEKTRONISCHE REGISTRIERKASSE
CAISSE ENREGISTREUSE ELECTRONIQUE
CAJA REGISTRADORA ELECTRONICA
ELEKTRONISCHE KASSA

MODELL MODELL MODELD XE-A203

INSTRUCTION MANUAL BEDIENUNGSANLEITUNG MANUEL D'INSTRUCTIONS

MANUAL DE INSTRUCCIONES GEBRUIKSAANWIJZING



With Quick Start Guide
Mit Schnellstartanleitung
Avec Guide de démarrage rapide
Con Guía de inicio rápido
Met Gids voor snel starten

#### **CAUTION:**

The cash register should be securely fitted to the supporting platforms to avoid instability when the drawer is open.

#### **CAUTION:**

The socket-outlet shall be installed near the equipment and shall be easily accessible.

#### **VORSICHT:**

Die Netzsteckdose muß nahe dem Gerät angebracht und leicht zugänglich sein.

#### ATTENTION:

La prise de courant murale devra être installée à proximité de l'équipement et devra être facilement accessible.

#### AVISO:

El tomacorriente debe estar instalado cerca del equipo y debe quedar bien accesible.

#### **VARNING:**

Det matande vägguttaget skall placeras nära apparaten och vara lätt åtkomligt.

#### LET OP:

Het stopcontact dient in de buurt van de kassa en gemakkelijk toegangbaar te zijn.

#### **CAUTION:**

For a complete electrical disconnection pull out the mains plug.

#### VORSICHT:

Zur vollständigen elektrischen Trennung vom Netz den Netzstecker ziehen.

#### **ATTENTION:**

Pour obtenir une mise hors-circuit totale, débrancher la prise de courant secteur.

#### AVISO:

Para una desconexión eléctrica completa, desenchufar el enchufe de tomacorriente.

#### **VARNING:**

För att helt koppla från strömmen, dra ut stickproppen.

#### LET OP:

Trek de stekker uit het stopcontact indien u de stroom geheel wilt uitschakelen.

#### Warning

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

#### Warnung

Dies ist eine Einrichtung der Klasse A. Diese Einrichtung kann im Wohnbereich Funkstörungen verursachen; in diesem Fall kann vom Betreiber verlangt werden, angemessene Maßnahmen durchzuführen und dafür aufzukommen.

#### **Avertissement**

Ceci est un produit de Classe A. Dans un environnement domestique ce produit risque de provoquer une interférence radio, auquel cas l'utilisateur sera obligé d'observer les mesures adéquates.

#### Advertencia

Este es un producto de la clase A. En un ambiente doméstico es posible que este producto cause radiointerferencia. En este caso se solicita al usuario que tome medidas adecuadas.

Contact the following for the CE mark.

SHARP ELECTRONICS (Europe) GmbH Sonninstraße 3, D-20097 Hamburg

# INTRODUCTION

Thank you very much for your purchase of the SHARP Electronic Cash Register, Model XE-A203. Please read this manual carefully before operating your machine in order to gain full understanding of functions and features.

Please keep this manual for future reference. It will help you if you encounter any operational problems.

#### **CAUTION!**

**Never install the batteries into the cash register before initializing it.** Before you start operating the cash register, you must first initialize it, then install three new alkaline batteries LR6 ("AA" size) on the register. Otherwise, distorted memory contents and malfunction of the cash register will occur. For this procedure, please refer to pages 8 to 9.

# **IMPORTANT**

- Be very careful when removing and replacing the printer cover, as the cutter mounted on it is very sharp.
- Install the cash register in a location not subject to direct sunlight, unusual temperature changes, high humidity or splashing water.
  - Installation in such locations could cause damage to the cabinet and the electronic components.
- Never operate the register with wet hands.
  - The water could seep into the interior of the register and cause component failure.
- When cleaning your register, use a dry, soft cloth. Never use solvents, such as benzine and/or thinner.
- The use of such chemicals will lead to discoloration or deterioration of the cabinet.
- The register plugs into any standard wall outlet (official (nominal) voltage).

  Other electrical devices on the same electrical circuit could cause the register to malfunction.
- For protection against data loss, please install three alkaline batteries LR6 ("AA" size) after initializing the cash register. When handling the batteries, please observe the following: Incorrectly using batteries can cause them to burst or leak, possibly damaging the interior of the cash register.
  - RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.
  - Be sure that the positive (+) and negative (-) poles of each battery are facing in the proper direction for installation.
  - Never mix batteries of different types.
  - · Never mix old batteries and new ones.
  - · Never leave dead batteries in the battery compartment.
  - Remove the batteries if you do not plan to use the cash register for long periods.
  - Should a battery leak, clean out the battery compartment immediately, taking care to avoid letting the battery fluid come into direct contact with your skin.
  - For battery disposal, follow the corresponding law in your country.
- For complete electrical disconnection, disconnect the main plug.

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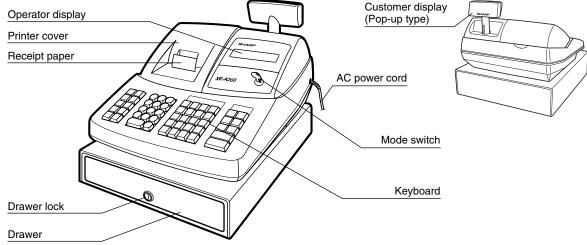
# Part1 QUICK START GUIDE



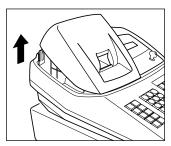
# PARTS AND THEIR FUNCTIONS

1 External View

■ Front view ■ Rear view



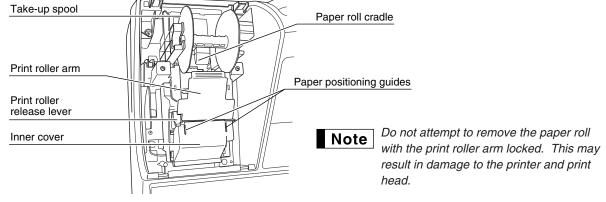
# 2 Printer



The printer is one station type thermal printer, therefore it does not require any type of ink ribbon or cartridge.

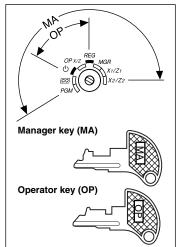
Lift the rear of the printer cover to remove. To re-install, hook the pawls on the cabinet and close.

Caution: The paper cutter is mounted on the printer cover. Be careful not to cut yourself.



# **8** Mode Switch and Mode Keys

The mode switch can be operated by inserting one of the two supplied mode keys - manager (MA) and operator (OP) keys. These keys can be inserted or removed only in the "REG" or "  $\uplus$ " position.



The mode switch has these settings:

**ம் :** This mode locks all register operations. (AC power turns off.)

No change occurs to register data.

**OP X/Z:** To take individual clerk X or Z reports, and to take flash reports.

It can be used to toggle receipt state "ON" and "OFF" by pressing

the RCPT/PO key.

**REG:** For entering sales.

**PGM:** To program various items.

Enters into the void mode. This mode allows correction after

finalizing a transaction.

**MGR**: For manager's entries. The manager can use this mode for an

override entry.

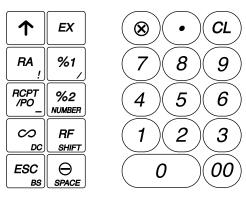
**X1/Z1:** To take the X/Z report for various daily totals.

**X2/Z2:** To take the X/Z report for periodic (weekly or monthly)

consolidation.

# 4 Keyboard

## ■ Keyboard layout



|   | LU<br>EUB<br>A |   | PT<br>#<br>F | DEI<br>SHI | PT<br>FT<br>K | CLF | (#<br>P |
|---|----------------|---|--------------|------------|---------------|-----|---------|
|   | 20             |   | 24           |            | 28            |     | 32      |
| 4 | В              | 8 | G            | 12         | L             | 16  | Q       |
|   | 19             |   | 23           |            | <i>2</i> 7    |     | 31      |
| 3 | _ c            | 7 | н            | 11         | М             | 15  | R       |
|   | 18             |   | 22           |            | 26            |     | 30      |
| 2 | D              | 6 |              | 10         | N             | 14  | s       |
|   | 17             |   | 21           |            | <i>2</i> 5    |     | 29      |
| 1 | E              | 5 | J            | 9          | 0             | 13  | Τ       |

| VAT  | AUTO<br>x |  |  |
|------|-----------|--|--|
| CR2  | CH2       |  |  |
| CR1  | CH1<br>z  |  |  |
| #/TN | #/TM/ST   |  |  |
| TL/  | NS        |  |  |

## ■ Key names

- Paper feed key
- RA Received-on account key
- Receipt print/Paid-out key
- ✓ Void key
- ESC Escape key
- Foreign currency exchange key
- %1 %2 Percent 1 and 2 keys
- RF Refund key

- Multiplication key
- Decimal point key
- (CL) Clear key
- 00 Numeric keys
- PLU/Subdepartment key
- Department code entry key
- DEPT SHIFT Department shift key

- CLK# Clerk code entry key
- 1 Department keys
- VAT Value added tax key
- AUTO Automatic sequence key
- CR1 CR2 Credit 1 and 2 keys
- CH1 CH2 Cheque 1 and 2 keys

  #/TM/ST Non-add code/Time display
  /Subtotal key
- TL/NS Total/No sale key

# **Displays**

#### Operator display



#### · Repeat number display area

The number of repeats is displayed, starting at "2" and incremental with each repeat. When you have registered ten times, the display will show "0".  $(2 \rightarrow 3 \dots 9 \rightarrow 0 \rightarrow 1 \rightarrow 2\dots)$ 

#### • Power save mark display area

When the cash register goes into the power save mode, the power save mark (decimal point) lights up.

#### · Function message display area

Item labels of departments and PLU/subdepartments and function texts you use, such as %, (-) and CASH are displayed. For the details of function texts, please refer to page 57.

When an amount is to be entered or entered, "AMOUNT" is displayed: When an amount is to be entered, ----- is displayed at the numeric entry area with "AMOUNT". When a preset price has been set, the price is displayed at the numeric entry area with "AMOUNT".

#### · Numeric entry display area

Numbers entered using numeric keys are displayed here.

#### Date and time display

Date and time appear on the display in the @ , OP X/Z, REG, or MGR mode. In the @ , REG or MGR mode, press the [#/TM/ST] key to display the date and time.

#### **Error message**

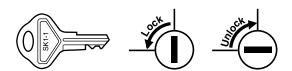
When an error occurs, the corresponding error message is displayed in the function message display area. For details of error messages, please refer to "Error message table" on page 87.

### Customer display (Pop-up type)



# **Drawer Lock Key**

This key locks and unlocks the drawer. To lock it, turn 90 degrees counterclockwise. To unlock it, turn 90 degrees clockwise.



# PREPARING THE CASH REGISTER

Unpack the cash register and make sure all accessories are included. For details of accessories, please refer to "SPECIFICATIONS" section on page 88.

For installing the cash register, find a stable surface near an AC outlet where the cash register will not subject to water sources or direct sunlight.

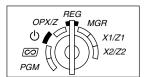
For preparing the cash register, please follow the three steps shown below; "1 Initializing the Cash Register" on page 8, "2 Installing Batteries" on page 9, and "3 Installing a Paper Roll" on page 10.

# 1 Initializing the Cash Register

In order to operate the cash register properly, you must initialize it before operating for the first time. Follow this procedure.

- 1. Insert the manager (MA) key into the mode switch and turn it to the REG position.
- Insert the plug of the AC power cord into the AC outlet. The buzzer will sound three times.

IMPORTANT: This operation must be performed without batteries installed.



The cash register has now been initialized. The register display will show "0.00" and then "NO BATTERY".

NO BATTERY

Note

If the buzzer does not sound when the plug is inserted, the initialization has not been done successfully. (This will occur when the voltage is high because you operated the cash register before starting initialization.) Wait at least one minute after pulling out the plug and insert the plug again.

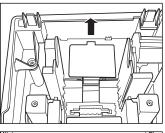
# **Installing Batteries**



Three new alkaline batteries LR6 ("AA"size) must be installed in the cash register to prevent the data and user-programmed settings from being erased from the memory, when the AC cord is accidentally disconnected or in case of power failure. Once installed, the batteries will last approximately one year before needing replacement. At this time, the warning message "LOW BATTERY" will appear on the display to indicate the batteries are low and must be replaced within two days. If the warning message "NO BATTERY" appears, you must install the batteries at once. Do not set the mode switch to the  $\mbox{$\mathfrak{G}$}$  nor PGM positions while "NO BATTERY" is being displayed.

Install three new alkaline batteries LR6 ("AA"size) according to the procedure shown below with the AC cord connected and set the mode switch to the REG position:

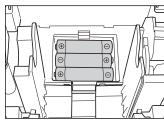
- Push the printer cover forward and detach it.
   Be careful with the paper cutter, so as not to cut yourself.
- 2. Open the battery compartment cover next to the paper roll cradle.



- 3. Install three new alkaline batteries LR6 ("AA"size) as per the diagram. When the batteries are properly installed "NO BATTERY" message on the display will disappear.
- 4. Close the battery compartment cover.



- Be sure to observe precautions shown on page 1 when handling batteries.
- If you press a key by mistake, an error message "PAPER EMPTY" may be displayed. Press the CL key to clear message after installing paper rolls.



Caution

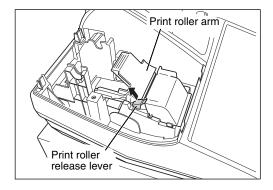
"LOW BATTERY" or "NO BATTERY" can be displayed only when the cash register is being turned on. Please be advised that when the cash register is being turned off for a long time, the data in memory might be cleared without the warning messages: "LOW BATTERY" or "NO BATTERY".

# 3 Installing a Paper Roll

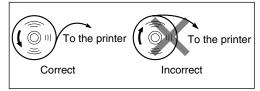
Precaution: The paper cutter is mounted on the printer cover. Take caution when removing and installing the cover.

The register can print receipts or journals. For the printer, you must install the paper roll provided with the register, even when you program the register for not printing receipts or journals. Install the paper roll according to the procedure shown below with the AC cord connected and the mode switch set to the REG position:

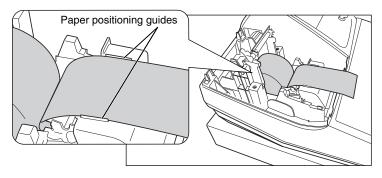
**1.** Lift up the print roller release lever to unlock and open the print roller arm.



2. Set a paper roll in the paper roll cradle as per the diagram.



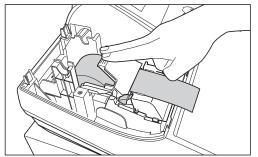
Feed the end of the paper along with the paper positioning guides as per the diagram.



4. While holding down the paper, slowly close the print roller arm, and push down the arm until you hear a click locking the arm. Make sure securely you push down the center of the wing part of the arm as per the diagram. The paper will be fed automatically.



If the print roller arm is not securely locked, printing is not done right. If this problem occurs, open the arm, and close the arm as instructed above.



#### 5. When not using the take-up spool (using as receipt paper):

• Cut off the excess paper using the edge of the inner cover, and replace the printer cover. Press the ↑ key to make sure the paper end comes out of the printer cover and clean paper appears.



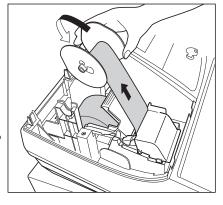
If the paper end does not come out, open the printer cover, and pass the paper end between the paper cutter and the paper guide of the printer cover, and replace the cover.

#### When using the take-up spool (using as journal paper):

- Insert the end of the paper into the slit in the spool. (Press the 1 key to feed more paper if required.)
- Wind the paper two or three turns around the spool shaft.
- Set the spool on the bearing, and press the ↑ key to take up excess slack in the paper.
- Replace the printer cover.

Note

When using a paper roll as journal paper, you must change the printing style. Refer to "Print format" in "Various Function Selection Programming 1" section (Job code 6) for changing the printing style.



# **BASIC FUNCTION PROGRAMMING**

Before starting sales entries, you must first program necessary items so the cash register suits your sales needs. In this manual, there are three sections, BASIC FUNCTION PROGRAMMING (pages 12-24) where required items must be programmed, AUXILIARY FUNCTION PROGRAMMING (pages 46-57) where you can program for more convenient use of keys on the keyboard, and ADVANCED FUNCTION PROGRAMMING (pages 58-72) where various optional programming features are provided. Find the appropriate features for your needs, and make the necessary programming.

# Abbreviations and Terminology

Department; a category for merchandise classifications. Every sales item should belong to a Dept.:

department.

PLU: Price Look Up; a category for merchandise classifications. PLUs are used to call up preset prices by a

code entry.

VAT: Value Added Tax

X report: Report to read sales data

Z report: Report to read and reset sales data

# **Prior to Programming**

## Procedure for programming

1. Check to see whether a paper roll is present in the machine. If there is not enough paper on a roll, replace it with a new one (refer to "Replacing the Paper Roll" on page 82 for the replacement). OPX/Z

2. Put the manager key in the mode switch and turn it to the PGM position.

**3.** Program necessary items into the cash register. Every time you program an item, the cash register will print the setting. Please refer to print samples in each section.

**4.** If necessary, issue programming reports for your reference.



• On the key operation example shown in the programming details, numbers such as "22052007" indicates the parameter which must be entered using the corresponding numeric keys.

X1/71

X2/Z2

Asterisks in the tables shown in the programming details indicate default settings.

# **Description of special keys**

),(1) to (9) Numerical key Used for numerical number entry. Double-zero kev (00) Used for parameter entry and character code entry. Clear key Used for cancel entry. Used for decimal point entry and right moving entry (as right cursor key). Point key Multiplication key Used for left moving entry (as left cursor key). #/TM/ST Subtotal key Used for data decision entry. TL/NS Finalization key Used for programming termination entry.

#### ■ Guidance for text programming

The register allow you to program texts for department item names (page 16), PLU/subdepartment item names (page 21), function texts (page 56), clerk names (page 23), logo messages (page 23), foreign and domestic currency symbols (page 55), and training mode texts (page 56).

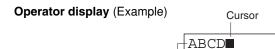
There are two ways for programming text; using character keys on the keyboard or entering character codes with numeric keys on the keyboard. For the latter way, refer to "Entering character codes with numeric keys on the keyboard" on page 44.

#### Using character keys on the keyboard

You can enter characters according to the small figures printed in the lower right position of the tops. For the layout, please refer to "Keyboard" section on page 6.

The following are used as control keys for character entry:

- Toggles between upper-case and lower-case letters. By default, the upper-case letter is selected. Once the shell key is pressed, you are locked in for entering lower-case letters. "a" is displayed when lower-case letters entry is selected as shown in the operator display example below.
- Press the NUMBER key to enter numeric characters. For example to enter "1", press the NUMBER and (1) key. If you press the (1) key without pressing the NUMBER key, the cash register goes to character codes entry mode.
  - Once the NUMBER key is pressed, you are locked in for entering numeric characters. "1" is displayed when numeric characters entry is selected.
- Toggles between single-size and double-size characters. By default, the single-size character is selected. Once the DC key is pressed, you are locked in for entering double size characters. "W" is displayed when double-size characters entry is selected as shown in the operator display example below.
- BS Backs up the cursor, erasing the character to the left.



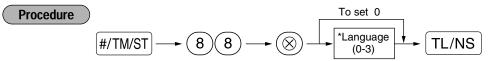
Characters entered using character keys are displayed here.

Wa1

**Example** To program the word "Clerk01" with the letter "C" being double size.

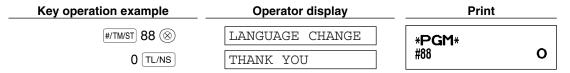
To make the letter "C" double size character DC C =CW To make character size return to normal size DC =CTo toggle the characters to lower-case letters SHIFT =Cа =Clerk■ ERK а To enter numbers =Clerk01■ NUMBER a1

# 3 Language Selection



\*Language: 0: English 1: German 2: French 3: Spanish

By default, English is set.



Caution

When you change the language, the texts such as clerk names (page 23), logo messages (page 23) and function texts (page 56), which you programmed, will be reset to the default settings. The language selection must be made before programming clerk names, logo messages and function texts.

# 4 Date and Time Programming

#### Date

For setting the date, enter the date in 8 digits using the day-month-year (DD/MM/YYYY) format, then press the <code>#/TM/ST</code> key.

#### Procedure

| Print           | F     | Operator display | Key operation example      |
|-----------------|-------|------------------|----------------------------|
|                 | *PGM* | 22052007         | 22052007<br>(22 May, 2007) |
| 22/05/2007 — Da |       | 0.00             | #/TM/ST                    |

#### Time

For setting the time, enter the time in 4 digits using the 24-hour format. For example, when the time is set to 2:30 AM, enter 230; and when it is set to 2:30 PM, enter 1430.

#### Procedure

| int      | Print | Operator display | Key operation example |
|----------|-------|------------------|-----------------------|
|          | *PGM* | 1430             | 1430                  |
| 14:30 +T |       | 0.00             | #/TM/ST               |

# **Tax Programming**

If you program the VAT/tax, the cash register can calculate the sales tax. In the VAT system, the tax is included in the price you enter in the register, and the tax amount is calculated when tendered according to the VAT rate programmed. In the tax system, the tax is calculated when tendered according to the tax rate programmed, and added to the price. The cash register can provide totally 6 kinds of VAT/tax systems (automatic VAT1-4, automatic tax 1-4, manual VAT 1-4, manual VAT 1, manual tax 1-4, and automatic VAT1 and automatic tax 2-4 systems) and 4 kinds of rates. By default, the cash register is pre-programmed as automatic VAT1-4 system.

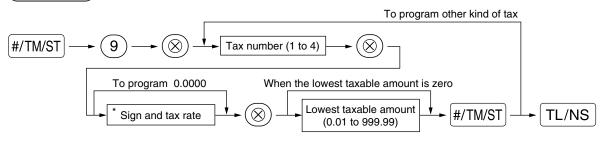
When you program tax rate(s) and taxable status for each department (by default, VAT1/tax1 is set to taxable.), tax will be automatically added to sales of items assigned to the department according to the programmed tax status for the department and the corresponding tax rate(s).

For details of the tax systems, refer to "Computation of VAT (Value Added Tax)/tax" section on page 37. To change the tax system, please refer to "Other programming" of "Various Function Selection Programming 1" section (Job code 69) on page 65.

#### Tax rate programming

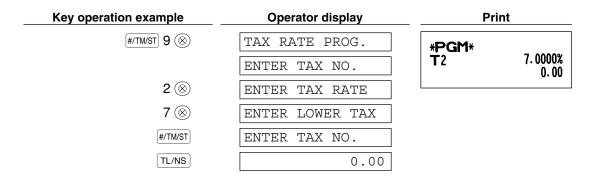
The percent rate specified here is used for tax calculation on taxable subtotals.





\*Sign and tax rate: XYYY.YYYY Tax rate=0.0000 to 100.0000 Sign -/+ = 1/0

For entering tax number, sign and tax rate and lowest taxable amount, the register displays guidance messages, "ENTER TAX NO.", "ENTER TAX RATE", and "ENTER LOWER TAX" respectively.

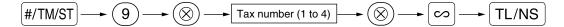


#### Note

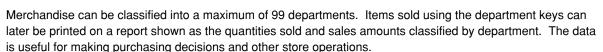
- The lowest taxable amount is valid only when you select add on tax system. If you select VAT (Value added system), it is ignored.
- If you make an incorrect entry before pressing the third 8 key in programming a tax rate, cancel it with the CL key.
- You do not need to enter the trailing zeros of the tax rate (after the decimal point), but you do need to enter the decimal for fractions.
- If you select VAT system, the sign which you program is ignored.

To delete a tax rate, use the following sequence:

#### Procedure



# **6** Department Programming



Default setting for the VAT/tax statuses and signs are listed below.

| Dept. code: | VAT/tax status: | Sign: |  |
|-------------|-----------------|-------|--|
| Dept. 1-10  | VAT 1           | (+)   |  |
| Dept. 11-20 | VAT 2           | (+)   |  |
| Dept. 21    | VAT 1           | (-)   |  |
| Dept. 22-99 | VAT 1           | (+)   |  |

#### **Procedure**

#### Note

- To keep current setting on each programming, press the #/TM/ST key when the corresponding guidance message is firstly displayed.
- When pressing the TL/NS key in the middle of procedure, the programming will terminate and the data you entered before the press of TL/NS is saved.
- When pressing the CL key twice in the middle of procedure, the programming will terminate and the data you entered before pressing the CL key twice is NOT saved.

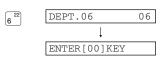
#### Key operation Operator display

#### 1. Specify the department code.

(1) For dept.1 through 16, press the department key. For dept.17 through 32, press the press the department key.

Or enter dept. code using numeric key, and then press the  $\overline{\text{DEPT}}$  key.

Immediately after displaying the current text data and the corresponding dept. key code you entered, guidance message for the next step will be displayed.



BOOK

#### 2. Text programming (Press #/TM/ST) to skip. / Press TL/NS to terminate.)

(1) Press (00) key to enter text programming. Immediately after displaying guidance message, the current text data will be displayed.

ENTER TEXT DEPT.06

(2) Enter an item name.

A maximum of 16 characters can be entered. Please refer to "Guidance for text programming" on page 13 for entering the item name. When you start entering a character, the current text data will be overwritten by new data. Pressing the  $(\cdot)$  and  $(\otimes)$  key moves the cursor to

(00)

**BOOK** 

(00) (00) (00)

QUICK START GUIDE

(3) Press the #/TM/ST key to register the item name. Immediately after displaying guidance message for the next step, the current setting for the next step will be displayed.



#### 3. Unit price programming (Press #/TM/ST) to skip. / Press TL/NS to terminate.)

(1) Enter a unit price using numeric keys. A maximum of 6 digits can be set. Default setting is 0.

the right and left respectively.

300 300

(2) Press the #/TM/ST key to register the unit price. Immediately after displaying guidance message for the next step, the current setting for the next step will be displayed.



PRESET

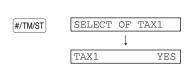
#### 4. Entry type programming (Press #/TM/ST) to skip. / Press TL/NS to terminate.)

(1) Press (00) key 3 times to display "PRESET". Each time (00) key is pressed, the display shows "INHIBITED", "OPEN", "PRESET" and "OPEN & PRESET" in this order. Default setting is "OPEN".

When the unit price is changed from the default setting ("0") in step 3, "OPEN & PRESET" will be displayed first.

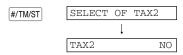
However, when the default setting is not changed, "OPEN" will be displayed first.

(2) Press the [#/TM/ST] key to register the entry type. Immediately after displaying guidance message for the next step, the current setting for the next step will be displayed.



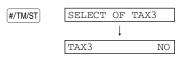
#### 5. VAT/tax 1 status programming (Press #/TM/ST) to skip. / Press TL/NS to terminate.)

- (1) Go to (2) when the VAT/tax 1 status does not need to be changed from "TAX1 YES". Otherwise, press(00) key to display "TAX1 NO".
  - Each time (00) key is pressed, the display shows "TAX1 NO" and "TAX1 YES" alternatively.
  - Choose "YES" for taxable and "NO" for non-taxable. Default setting is "YES" for dept. code 1 to 10 and
  - 21 to 99, and "NO" for dept. code 11 to 20.
  - When any entry of a taxable department is made in a transaction, tax is automatically computed according to the associated tax rate as soon as the transaction is completed.
- (2) Press the #/TWST key to register the setting. Immediately after displaying guidance message for the next step, the current setting for the next step will be displayed.



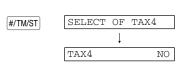
#### 6. VAT/tax2 status programming (Press #/TM/ST) to skip. / Press TL/NS to terminate.)

- (1) Go to (2) when the VAT/tax 2 status does not need to be changed from "TAX2 NO". Otherwise, press
  - (00) key to display "TAX2 YES".
  - Each time (00) key is pressed, the display shows
  - "TAX2 YES" and "TAX2 NO" alternatively.
  - Default setting is "NO" for dept. code 1 to 10 and 21 to 99, and "YES" for dept. code 11 to 20.
- (2) Press the #/TWST key to register the setting.
  Immediately after displaying guidance message for the next step, the current setting for the next step will be displayed.



#### 7. VAT/tax3 status programming (Press #/TM/ST) to skip. / Press TL/NS to terminate.)

- - Each time (00) key is pressed, the display shows "TAX3 YES" and "TAX3 NO" alternatively. Default setting is "NO".
- (2) Press the #/TWST key to register the setting. Immediately after displaying guidance message for the next step, the current setting for the next step will be displayed.



Part 2

Part3

#### 8. VAT/tax4 status programming (Press #/TM/ST) to skip. / Press TL/NS to terminate.)

- (1) Go to (2) when the VAT/tax 4 status does not need to be changed from "TAX4 NO". Otherwise, press (00) key to display "TAX4 YES".

  Each time (00) key is pressed, the display shows "TAX4 YES" and "TAX4 NO" alternatively.
- (2) Press the #/TW/ST key to register the setting. Immediately after displaying guidance message for the next step, the current setting for the next step will be displayed.

#/TM/ST REGIST.TYPE

NORMAL

#### 9. Registration type programming (Press #/TWST) to skip. / Press TL/NS to terminate.)

 Go to (2) when the registration type does not need to be changed from "NORMAL". Otherwise, press
 key to display "SICS".

Each time (00) key is pressed, the display shows "SICS" and "NORMAL" alternatively.

Choose "SICS" for single item cash sale and "NORMAL" for normal sale.

Default setting is "NORMAL".

Default setting is "NO".

If an entry of a department programmed for SICS is made first, the sale will be finalized as a cash sale as soon as the department key is pressed. If the entry is made after entering a department not programmed for SICS, the sale will not be finalized until the TL/NS key is pressed.

(2) Press the #/TW/ST key to register the setting. Immediately after displaying guidance message for the next step, the current setting for the next step will be displayed.



#### 10. Sign programming (Press #/TW/ST) to skip. / Press TL/NS to terminate.)

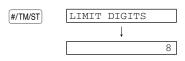
(1) Go to (2) when the sign does not need to be changed from "(+)". Otherwise, press 00 key to display "(-)".

Each time (00) key is pressed, the display shows "(-)" and "(+)" alternatively.

Choose "(+)" for positive department and "(-)" for negative department.

Default setting is "(+)" for dept. code 1 to 20 and 22 to 99, and "(-)" for dept. code 21.

(2) Press the #/TW/ST key to register the setting. Immediately after displaying guidance message for the next step, the current setting for the next step will be displayed.



#### 11. Entry digit limit programming (Press #/TM/ST) to skip. / Press TL/NS to terminate.)

- Enter entry digit limit using numeric key.
   The entry digit limit can be set up to 8.
   Default setting is 8.
- (2) Press the #/TM/ST key to register the setting.
  Immediately after displaying current text setting and the corresponding department code for the next department, guidance message will be displayed.
  The dept. code is automatically incremented for a new department key programming, and ready for text programming for the incremented dept. code.

| DEPT.07      | 07 |
|--------------|----|
| Į.           |    |
| ENTER[00]KEY |    |
|              | 1  |

7

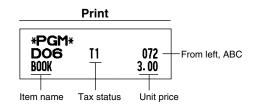
7

To program for the incremented dept. code, return to the step 2. When you want to program for other than incremented dept. code, return to the step 1.

#### 12. Terminate programming

(1) Press the TL/NS key to terminate department code programming.





| Item | 1:                       | Selection:             | Print:         |  |
|------|--------------------------|------------------------|----------------|--|
| A    | SICS/Normal              | Normal*                | 0              |  |
|      |                          | SICS                   | 1              |  |
| В    | Entry digit limit        |                        | 0-8(default:8) |  |
| С    | Type of unit price entry | Open and preset        | 3              |  |
|      |                          | Preset only            | 2              |  |
|      |                          | Open only*             | 1              |  |
|      |                          | Inhibit department key | 0              |  |

# PLU (Price Look-Up) and Subdepartment Programming

The PLU function allows speedy key entries whereby a price is automatically called up when a code is entered. The subdepartment is a kind of "open PLU", which requires you to enter a price after the PLU code is entered. By default, PLU/subdepartment setting for 1 through 210 codes are possible, and can extend to 1200. To extend the number, please refer to "EJ memory type" on page 67.

#### **Procedure**

A maximum of 6 digits can be set.

price entry.

Default setting is 0.

For a subdepartment, set the limit amount of unit

#### Note

- To keep current setting on each programming, press the #/TM/ST key when the corresponding guidance message is firstly displayed.
- When pressing the TL/NS key in the middle of procedure, the programming will terminate and the data you entered before the press of TL/NS is saved.
- When pressing the (CL) key twice in the middle of procedure, the programming will terminate and the data you entered before pressing the (CL) key twice is NOT saved.
- When pressing the department, (a), (%1), (%2), (EX), (RA), (ROTIPO), (CH1), (CH2), (CR1) or (CR2) key in the middle of procedure except while entering texts or prices, the programming will move to the pressed key

| programming.   |                             |                               |
|--|-----------------------------|-------------------------------|
|  | Key operation               | Operator display              |
| <ol> <li>Specify the PLU code.</li> <li>Enter PLU code using numeric key, and then press the PLU/SUB key. Immediately after displaying the current text data and the corresponding PLU code you entered, guidance message for the next step will be displayed.</li> </ol>  | 71 PLU/SUB                  | PLU.0071 0071   LENTER[00]KEY |
| 2. Text programming (Press #/TM/ST) to skip. / Press TL/N  | s to terminate.)            |                               |
| <ul> <li>(1) Press (1) key to enter text programming. Immediately after displaying guidance message, the current text data will be displayed.</li> <li>(2) Enter an item name. <ul> <li>A maximum of 16 characters can be entered.</li> <li>Please refer to "Guidance for text programming" on page 13 for entering the item name.</li> <li>When you start entering a character, the current text data will be overwritten by new data.</li> <li>Pressing the (1) and (8) key moves the cursor to</li> </ul> </li> </ul> | (iii) MELON                 | ENTER TEXT  PLU.0071  MELON_  |
| the right and left respectively.  (3) Press the #/TM/ST key to register the item name. Immediately after displaying guidance message for the next step, the current setting for the next step will be displayed.   | #/TM/ST                     | PRICE ↓ 0.00                  |
| <ul><li>3. Unit price programming (Press #/TM/ST) to skip. / Pres</li><li>(1) Enter a unit price using numeric keys.</li></ul>   | es TL/NS to terminate.) 500 | 500                           |

(2) Press the #/TM/ST key to register the unit price.
Guidance message for the next step will be displayed.

#/TM/ST ENTER DEPT#

- 4. Associated dept. programming (Press #/TM/ST) to skip. / Press TL/NS to terminate.)
  - (1) Enter an associated dept. code using numeric key. For dept. 1 through 16, you may press the

corresponding department key.

For dept.17 through 32, you may press the pershift key, and then press the corresponding department key.

Default setting is dept. 1.

For deleting PLU, enter 0 instead of an associated dept. code.

(2) Press the #/TM/ST key to register the associated dept. code.

Immediately after displaying guidance message

Immediately after displaying guidance message for the next step, the current setting for the next step will be displayed.



1

- 5. Function programming (Press #/TM/ST) to skip. / Press TL/NS to terminate.)
  - (1) Go to (2) when the function does not need to be changed from "PLU". Otherwise, press (00) key to display "SUBDEPT".

Each time (00) key is pressed, the display shows

"SUBDEPT" and "PLU" alternatively.

Choose "PLU" for using the PLU code as PLU and

"SUBDEPT" for using the PLU code as subdepartment.

Default setting is "PLU".

(2) Press the #/TM/ST key to register the setting. Immediately after displaying current text setting and the corresponding PLU code for the next PLU, guidance message will be displayed. The PLU code is automatically incremented for a new PLU programming, and ready for text programming for the incremented PLU code.



0.00

To program for the incremented PLU code, return to the step 2. When you want to program for other than incremented PLU code, return to the step 1.

#### 6. Terminate programming

(1) Press the TL/NS key to terminate PLU programming.

PLU code P0071 (O1) 1 PLU/subdept. 1/0
Item name MELON 5.00 Unit price
Associated dept.

TL/NS

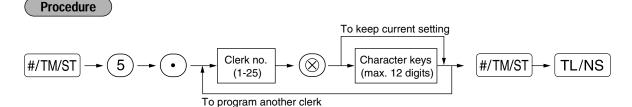
# **Text Programming**

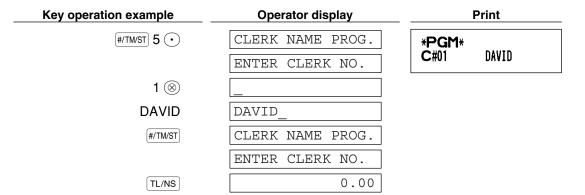
Please refer to "Guidance for text programming" on page 13 as for how to entering characters.

When you press an appropriate number key (job code number) and press the  $(\cdot)$  key for text entry just after you start programming with the [#/TM/ST] key, the cash register will automatically be ready for text entry. Then a little after displaying guidance message indicating what programming you are in, the register may ask

you to enter the first parameter. Referring to the corresponding "Procedure", enter a parameter and start character entries.

#### Clerk names (12 digits)

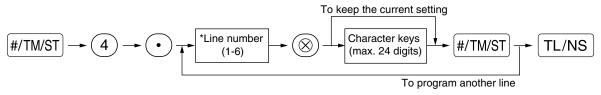




### **Logo messages** (6 lines and 24 digits for each line)

The register can print programmed messages on every receipt. On the standard model, a 6-line logo message is printed on the receipt. If you want to print in other logo message format, please change the format. For the programming details, refer to page 66. The options are listed below:

#### **Procedure**

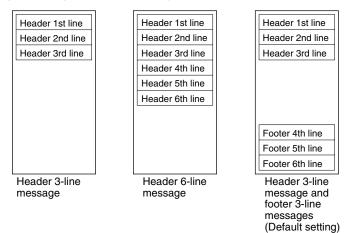


<sup>&</sup>quot;Header 3-line message" type: 1 to 3

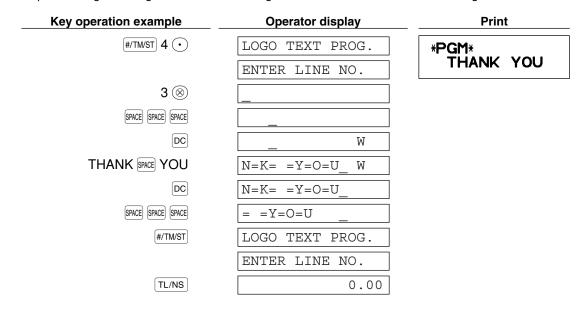
<sup>&</sup>quot;Header 6-line message" type: 1 to 6

<sup>&</sup>quot;Header 3-line and footer 3-line message" type: 1 to 6 (1 to 3 as header, 4 to 6 as footer)

#### Logo message print format (3 types)



To print the logo message "THANK YOU" using double sized characters and centering on the third line.



Note

A 6-line logo message is preprogrammed when shipped. Please start entering from the first line when you first program a logo message.

# **Programming Other Necessary Items**

#### Decimal point position (tab) setting for domestic currency

By default, "2" is selected. When your country has a different tab setting, you must change the setting. Please refer to "Other programming" of "Various Function Selection Programming 1" (Job code 61) on page 61.

#### **Rounding system**

When your country has a special rounding system, such as Australia, Switzerland, Norway, Sweden, Denmark and South Africa, you must change the setting to suit your country. For the setting for Australia, Switzerland, Norway and South Africa, please refer to "Other programming" of "Various Function Selection Programming 1" (Job code 67) on page 63. For the setting for Sweden and Denmark, please refer to "Other programming" of "Various Function Selection Programming 1" (Job code 69) on page 65.

# **BASIC SALES ENTRY**

# Basic Sales Entry Example

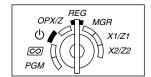
Listed below is a basic sales entry example when selling items by cash. For operation details, please refer to "Additional Information for BASIC SALES ENTRY" on page 32.

#### Mode switch setting

1. Turn the mode switch to the REG position.

#### Clerk assignment

2. Enter your clerk code. (For example, clerk code is 1. Press the 1 and clkf key in this order.) The clerk code 1 is automatically selected just after initialization of the cash register.



#### Item entries

**3.** Enter the price for the first department item. (For example, for 15.00, enter 1 5 00, and press the appropriate department key.)

For department 17 to department 32, press the Fright key first before pressing the department key. For department 33 and above, enter the department code using numeric keys and press the Friedrich key, then enter the price and press the Friedrich key again.

**4.** Repeat step 3 for all department items.

#### Displaying subtotals

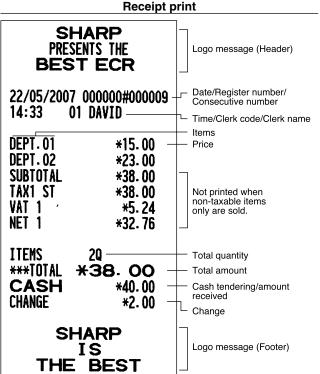
**5.** Press the #/TM/ST key to display the amount due.

#### Finalizing the transaction

- 6. Enter the amount received from the customer. (You can omit this step if the amount tendered is the same as the subtotal.)
- 7. Press the TL/NS key, and the change due is displayed and the drawer is opened.
- 8. Tear off the receipt and give it to the customer with his or her change.
- 9. Close the drawer.

| key operation example               | Operator display |
|-------------------------------------|------------------|
| Clerk 1 CLK#                        | DAVID -01-       |
| Item $\int 1500  1^{17}$            | DEPT.01 15.00    |
| entries 2300 2 18                   | DEPT.02 23.00    |
| Displaying —— #/TM/ST subtotal      | SUBTOTAL 38.00   |
| Amount tendered 4000                | 4000             |
| Finalizing —— TL/NS the transaction | CHANGE 2.00      |

(In this example, tax system is set to automatic VAT 1 and the tax rate is set to 16.00%.)



# 2 PLU Entry

Enter a PLU code using numeric keys and press the PLU/SUB key.

| Key operation example |             | Operator display Rece |       | Receip                 | t print          |
|-----------------------|-------------|-----------------------|-------|------------------------|------------------|
|                       | 1 PLU/SUB   | PLU.0001              | 1.50  | PLU- 0001              | *1.50            |
| Item<br>entries       | 71 PLU/SUB  | PLU.0071              | 15.00 | PLU. 0071<br>PLU. 0141 | *15.00<br>*36.20 |
|                       | 141 PLU/SUB | PLU.0141              | 36.20 |                        |                  |
|                       | TL/NS       | CASH                  | 52.70 | ITEMS<br>CASH *        | 30<br>52. 70     |



# **Cancellation of the Numeric Entry**

If you make an incorrect numeric entry, you can clear the entry by pressing the  $\bigcirc$ L key only before pressing a department key, PLU/subdepartment key, the  $\bigcirc$ key, the  $\bigcirc$ key, the  $\bigcirc$ key or the  $\bigcirc$ RF key.

# 2 Correction of the Last Entry (direct void)

If you make an incorrect entry relating to a department, PLU/subdepartment, percentage (%1 and %2), discount ( $\bigcirc$ ) or refund, you can void this entry by pressing the  $\bigcirc$  key immediately after the incorrect entry.

| Key operation example  | Operator display |        | Rece                   | eipt print         |
|------------------------|------------------|--------|------------------------|--------------------|
| 1250 <sub>6</sub> 22   | DEPT.06          | 12.50  | DEPT. 06               | *12.50             |
| $\odot$                | DEPT.06          | -12.50 | DEPT . 06<br>PLU. 0002 | ທ−12.50<br>*1.50   |
| 2 PLU/SUB              | PLU.0002         | 1.50   | PLU. 0002<br>DEPT. 08  | ທ−1.50             |
| $\odot$                | PLU.0002         | -1.50  |                        | *6.00<br>-15.00%   |
| 600 8 <sup>24</sup>    | DEPT.08          | 6.00   | %1<br>  %1             | −0. 90<br>ທ×0. 90  |
| %1                     | \%1              | -0.90  | PLU. 0001<br>(—)       | *3. 28<br>-0. 28   |
| $\bigcirc$             | <b>%1</b>        | 0.90   | (-)                    | ω <b>×</b> 0. 28   |
| 1 PLU/SUB              | PLU.0001         | 3.28   | DEPT.06<br>DEPT.06     | R−2.50<br>Rø*2.50  |
| 28 🗇                   | ( - )            | -0.28  | ITEMS                  | 20                 |
| $\odot$                | ( - )            | 0.28   | CASH                   | <del>*</del> 9. 28 |
| 250 RF 6 <sup>22</sup> | DEPT.06          | -2.50  |                        |                    |
| $\bigcirc$             | DEPT.06          | 2.50   |                        |                    |
| TL/NS                  | CASH             | 9.28   |                        |                    |

# 3 Correction of the Next-to-last or Earlier Entry (indirect void)

You can void any incorrect department entry, PLU/subdepartment entry or item refund entry made during a transaction if you find it before finalizing the transaction (e.g. pressing the TL/NS key). This function is applicable to department, PLU/subdepartment and refund entries only.

Press the  $\bigcirc$  key just before you press a department key,  $\bigcirc$  key or  $\bigcirc$  key. For the refund indirect void, press the  $\bigcirc$  key after you press the  $\bigcirc$  key.

| Key operation example                        |                          | Operator of | display | Re                    | Receipt print       |  |
|--|--------------------------|-------------|---------|-----------------------|---------------------|--|
|  | 1310 622                 | DEPT.06     | 13.10   | DEPT. 06              | *13.10              |  |
|  | 1755 723                 | DEPT.07     | 17.55   | DEPT. 07<br>PLU. 0010 | *17. 55<br>*7. 15   |  |
|  | 10 PLU/SUB               | PLU.0010    | 7.15    | PLU. 0012             | *3.60               |  |
|  | 12 PLU/SUB               | PLU.0012    | 3.60    | DEPT. 06<br>DEPT. 07  | R-2.50<br>*8.25     |  |
| Correction — of a                            | 250 RF 6 22              | DEPT.06     | -2.50   | DEPT. 06<br>PLU. 0012 | თ−13. 10<br>თ−3. 60 |  |
| department<br>entry                          | 825 723                  | DEPT.07     | 8.25    | DEPT. 06              | Rω*2.50             |  |
| entry  | 1310 🖾 📴                 | DEPT.06     | -13.10  | ITEMS                 | 30                  |  |
| Correction —— of a PLU entry                 | 12 CO PLU/SUB            | PLU.0012    | -3.60   | CASH                  |                     |  |
| ĹŢ,  | 250 RF 🖘 6 <sup>22</sup> | DEPT.06     | 2.50    |                       |                     |  |
| Correction of <sup>→</sup><br>a refund entry | TL/NS                    | CASH        | 32.95   |                       |                     |  |

# 4 Subtotal Void

You can void an entire transaction. Once subtotal void is executed, the transaction is aborted and the register issues a receipt. This function does not work when more than 30 items have been entered.

| Key operation example | Operator o | Operator display Receipt print |                       | ipt print               |
|-----------------------|------------|--------------------------------|-----------------------|-------------------------|
| 1310 2 18             | DEPT.02    | 13.10                          | DEPT. 02              | *13.10                  |
| 2 18                  | 2          | 13.10                          | DEPT. 02<br>DEPT. 06  | *13. 10<br>*17. 55      |
| 1755 622              | DEPT.06    | 17.55                          | PLU. 0010             | <del>*</del> 7. 15      |
| 10 PLU/SUB            | PLU.0010   | 7.15                           | PLU. 0035<br>Subtotal | *10.00<br>*60.90        |
| 35 PLU/SUB            | PLU.0035   | 10.00                          | SBTL w<br>***TOTAL    | -60.90<br><b>*O. OO</b> |
| #/TM/ST               | SUBTOTAL   | 60.90                          |                       |                         |
| Subtotal void {       |            | 0.00                           |                       |                         |
| #/TM/ST               | ***TOTAL   | 0.00                           |                       |                         |

# 5 Correction of Incorrect Entries not Handled by the Direct or Indirect Void Function

Any errors found after the entry of a transaction has been completed or during an amount tendered entry cannot be voided. These errors must be corrected by the manager.

The following steps should be taken:

- 1. If making the amount tendered entry, finalize the transaction.
- 2. Make correct entries from the beginning.
- **3.** Hand the incorrect receipt to the manager for its cancellation.

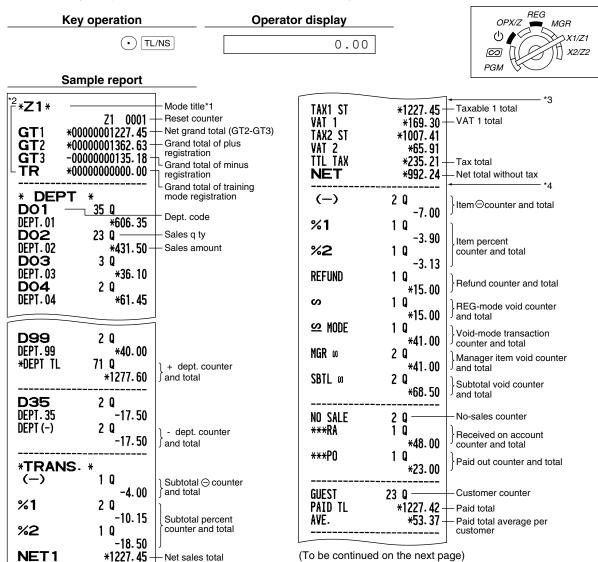
# FULL SALES REPORT (Z REPORT)

For reading and resetting the sales data, use the resetting function (Z). Resetting prints all sales information and clears the entire memory except for the GT1 through GT3, Training GT, BAL, reset count, and consecutive number.

For more information about resetting (Z) of sales totals, refer to "READING (X) AND RESETTING (Z) OF SALES TOTALS" on page 74.

#### ■ Full sales report

Put the manager key in the mode switch and turn it to the X1/Z1 position.



| CASH                 | 12 Q<br>*804.32         | Cash counter and total                          |
|----------------------|-------------------------|---|
| CHECK1               | 2 Q<br>*69. 70          | Cheque1 sales counter                           |
| CHECK2               | 1 Q<br>*48.00           | and total                                       |
| CREDIT1              | 1 Q<br>*12.60           | Credit1 sale and tendering                      |
| CREDIT2              | *12.00<br>2 Q<br>*33.80 | counter and total                               |
| EXCH1                | 2 Q<br>US \$18.34       | Exchange counter and                            |
| DOM. CUR1            | ×19.51 -                | total (in preset rate entry)  Domestic currency |
| EXCH2                | 1 Q<br>110.00           | Exchange manual rate entry counter and total    |
| DOM. CUR2<br>Ex1 CHK | *86.27<br>1 Q           | Exchange check (in preset                       |
| DOM. CUR1            | US \$112.33<br>*119.50  | rate entry)                                     |
| EX1 CR<br>Dom. Cur1  | 1 Q<br>US \$33.84       | Exchange credit (in preset rate entry)          |
| DUN. CURI            | *36.00                  |   |
| ****CID              |                         | Cash in drawer                                  |
| +CH ID<br>CA/CH ID   | *117.70 -<br>*944.74 -  | · ·   |
| CHK/CG               | *2.00 -                 | ·   |
|                      |                         | - tendenny                                      |

- \*1: When you take X1 report, "X1" is printed.
- \*2: Printed in the Z1 report only.
- \*3: When "Memory of difference due to rounding" is set to "yes" the following is displayed here. For changing the setting, refer to "Other programming" (job code 67).

DIFFER -0.03

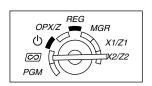
\*4: When manual tax 1-4 system or auto tax 1-4 system is selected, the following is displayed here. For changing the setting, refer to "Other programming" (job code 69).

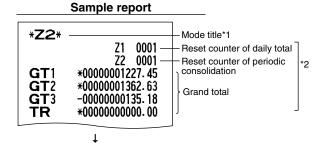
NET2 \*1227. 45 — Sales total including tax

#### ■ Periodic consolidation

Put the manager key in the mode switch and turn it to the X2/Z2 position.







The subsequent printouts are the same in format as in the X1/Z1 full sales report.

- \*1: When you take X2 report, "X2" is printed.
- \*2: Printed in the Z2 report only

# Part2 FOR THE OPERATOR

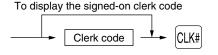
# OTHER BASIC SALES ENTRIES

# 1 Additional Information for BASIC SALES ENTRY

#### Clerk assignment

Prior to any item entries, clerks must enter their clerk codes into the register. However, the code entry may not be necessary when the same clerk handles the consecutive transactions.

■ Sign-on (in REG, MGR, 🖾 mode)



■ Sign-off (in REG, MGR, Ø mode)



#### Receipt ON/OFF function

When you use the printer to issue receipts, you can disable receipt printing in the REG mode to save paper using the receipt ON/OFF function. To disable receipt printing, press the key in the OP X/Z position. This key toggles the receipt printing status ON and OFF.

The register will print reports regardless of the receipt state, so the paper roll must be installed.

#### To issue a receipt when receipt ON/OFF function is set to OFF:

If your customer wants a receipt after you finalized a transaction with the receipt ON/OFF function being OFF status, press the will produce a receipt. However, if more than 30 items were entered, the receipt will be issued in a summary receipt.

#### Copy receipt

You can print a copy receipt by pressing the when the receipt ON/OFF function is in the "ON" status. To realize this function, you must enable the function. Please refer to page 62 (Job code 63).

#### **Power Save Mode**

The register will enter into power save mode when no entries are performed based on the pre-programmed time limit (by default, 30 minutes).

When the register goes to the power save mode, all display lights will turn off except the decimal point at the leftmost position. The register will return to the normal operation mode when any key is pressed or a mode is changed with the mode key. Please note when the register is recovered by a key entry, its key entry is invalid. After the recovery, start the key entry from the beginning.

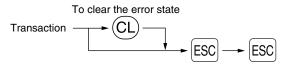
## 2 Error Warning

In the following examples, your register will go into an error state accompanied with a warning beep and a corresponding error message. Clear the error state by pressing the CL key and take the proper action. Please refer to the error message table on page 87.

- Enter over a 32-digit number (entry limit overflow): Cancel the entry and re-enter the correct number.
- An error in key operation: Clear the error and continue operation.
- An entry beyond a programmed amount entry limit: Check to see if the entered amount is correct. If it is correct, it can be rung up in the MGR mode. Contact your manager.
- An including-tax subtotal exceeds eight digits: Delete the subtotal by pressing the ©L key and press the TL/NS, CH1, CH2, CR1 or CR2 key to finalize the transaction.

#### Error escape function

To quit a transaction due to an error or an unforeseen event, use the error escape function as shown below:



The transaction is voided (treated as a subtotal void) and the receipt is issued by this function. If you have already entered a tendered amount, the operation is finalized as a cash sale.

## **3** Item Entries

#### ■ Single item entries

#### 1. Department entries

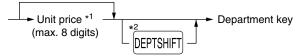
The cash register provides a maximum of 99 departments for a merchandise classification. Group attributes, such as taxable status, are applied to items when they are entered to the departments.

#### When using the department keys (for department 1 to 32)

For department 1 to 16, enter a unit price and press a department key. If you use a programmed unit price, press a department key only.

For department 17 to 32, enter a unit price, press the pershir key and press a department key. If you use a programmed unit price, press the pershir key and press a department key.

When using a programmed unit price



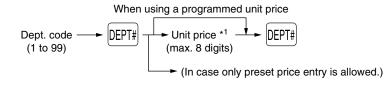
- \*1 Less than the programmed upper limit amounts When zero is entered, only the sales quantity is added.
- \*2 For the departments 17 through 32, press the DEPISHETI key.

Note

Please note if you press the same key after using the pership key, it acts as a repeat entry. For example, when you register an item of dept. 17 using the pership key and then an item of dept. 1 using the preset unit price, you should use the department code entry key described below for the dept. 1 item. If you just press the 1 key to register dept. 1 item, it will act as a repeat entry of dept. 17 item.

#### When using the department code entry key

Enter a department (dept.) code and press the pertil key, then enter a unit price and press the pertil key again. If you use a programmed unit price, enter a dept. code and press the pertil key.



- \*1 Less than the programmed upper limit amounts
  - When zero is entered, only the sales quantity is added.

#### 2. PLU/subdepartment entries

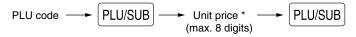
For another merchandise classification, the cash register provides a maximum of 1200 PLUs/subdepartments. PLUs are used to call up preset prices by a code entry. Subdepartments are used to classify merchandise into smaller groups under the departments. Every PLU and subdepartment has a code from 1 to 1200, and should belong to a department to obtain attributes of that department.

By default, the cash register is preprogrammed to be able to use 1 to 210 codes, and these 210 codes are set to PLU mode and zero for unit price.

To extend the number of PLU codes to 1200, please refer to "EJ memory type" on page 67, and for other PLU/subdepartment programming, refer to "PLU (Price Look-Up) and Subdepartment Programming" on page 21.

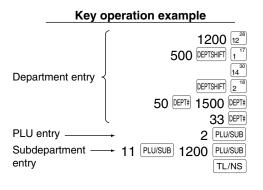
#### PLU entries

#### • Subdepartment (open PLU) entries



\* Less than the programmed upper limit amounts

When zero is entered, only the sales quantity is added.



| Receipt print  |  |  |
|----------------|--|--|
| *12.00         |  |  |
| <b>*</b> 5. 00 |  |  |
| <b>*</b> 8. 25 |  |  |
| <b>*</b> 3. 25 |  |  |
| <b>*15.00</b>  |  |  |
| <b>*</b> 2. 50 |  |  |
| <b>*1.50</b>   |  |  |
| <b>*</b> 12.00 |  |  |
| 80<br>*59. 50  |  |  |
|                |  |  |

## ■ Repeat entries

You can use this function for entering a sale of two or more of the same items. Consecutive pressing of a department key, peptil key or Pluisub key is as shown on key operation example below.

| Key operation example      |  |  |  |  |
|----------------------------|--|--|--|--|
| Department entry <         | 1200 128 128 128 500 DEPTSHIFT 1 17 17 17 130 143 143 143 143 143 150 DEPT\$ 1500 DEPT\$ DEPT\$ 33 DEPT\$ DEPT\$ |  |  |  |
| PLU entry                  | PLU/SUB PLU/SUB  |  |  |  |
| Subdepart- → 11 ment entry | PLU/SUB 1200 PLU/SUB PLU/SUB TL/NS   |  |  |  |

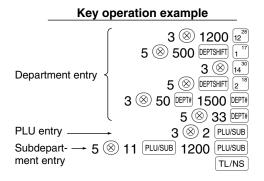
| Receipt print  |   |  |  |  |
|--|---|--|--|--|
| DEPT. 12<br>DEPT. 12<br>DEPT. 17<br>DEPT. 17<br>DEPT. 14<br>DEPT. 18<br>DEPT. 18<br>DEPT. 50<br>DEPT. 50<br>DEPT. 33<br>DEPT. 33<br>PLU. 0002<br>PLU. 0002<br>PLU. 0011<br>PLU. 0011 | *12.00 *12.00 *12.00 *5.00 *8.25 *8.25 *3.25 *15.00 *15.00 *1.50 *1.50 *1.50 *12.00 |  |  |  |
| ITEMS<br>CASH<br>*   | 16Q<br>119.00   |  |  |  |

## ■ Multiplication entries

When selling a large quantity of items, it is convenient to use the multiplication entry method. Enter quantity using numeric keys and press the  $\bigotimes$  key before starting item entry as shown in the example below.



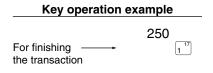
When programmed to allow fractional quantity entries, you can enter up to four integers and three digit decimal, though the quantity is counted as one for sales reports. To enter a fractional quantity, use the decimal point key between integer and decimal, as  $(7) \cdot (5)$  for entering 7.5.

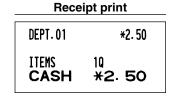


| Receipt print   |   |
|---|---|
| 3x 12.00<br>DEPT. 12<br>5x 5.00<br>DEPT. 17<br>3x 8.25<br>DEPT. 14<br>5x 3.25<br>DEPT. 18<br>3x 15.00<br>DEPT. 50<br>5x 2.50<br>DEPT. 33<br>3x 1.50<br>PLU. 0002<br>5x 12.00<br>PLU. 0011 | *36.00<br>*25.00<br>*24.75<br>*16.25<br>*45.00<br>*12.50<br>*4.50<br>*60.00 |
| ITEMS<br>C <b>ash</b><br>*  | 32Q<br>-224. 00   |

## ■ Single item cash sale (SICS) entry

- This function is useful when a sale is for only one item and is for cash. This function is applicable only to those departments that have been set for SICS or to their associated PLUs or subdepartments.
- The transaction is complete and the drawer opens as soon as you press the department key, peptyl key or PLU/SUB key.





Note

If an entry to a department or PLU/subdepartment set for SICS follows the ones to departments or PLUs/subdepartments not set for SICS, it does not finalize and results in a normal sale.

## 4 Displaying Subtotals

The subtotal is displayed by pressing the #/TM/ST key. When you press it, the subtotal of all entries which have been made is displayed with the function message "SUBTOTAL".

Note

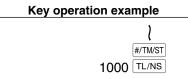
Subtotal will not be printed on a receipt on the current factory setting. If you want to print it, change the setting by programming. Refer to "Receipt print format" (Job code 7) on page 60.

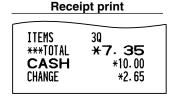
## 5 Finalization of Transaction

## Cash or cheque tendering

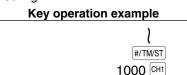
Press the #/TM/ST key to get a subtotal, enter the amount tendered by your customer, then press the TL/NS key if it is a cash tender or press a cheque key (CHI or CH2) if it is a cheque tender. When the amount tendered is greater than the amount of the sale, the register will show the change due amount with the function message "CHANGE". Otherwise the register will show a deficit with the function message "DUE". You now must make a correct tender entry.

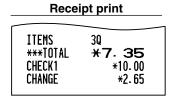
Cash tendering





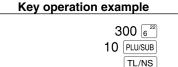
Cheque tendering

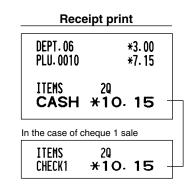




## ■ Cash or cheque sale that does not require tender entry

Enter items and press the TL/NS key if it is a cash sale or press a cheque key if it is a cheque sale. The register will display the total sale amount.



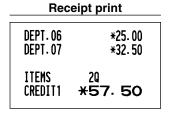




#### Credit sale

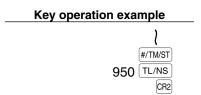
Enter items and press a credit key (CR1 or CR2).

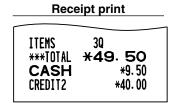
# Key operation example 2500 6<sup>2</sup> 3250 7<sup>3</sup>



#### ■ Mixed-tender sale

You can perform mixed-tendering of cheque and cash, cash and credit, and cheque and credit.





## 6 Computation of VAT (Value Added Tax)/tax

## ■ VAT/ tax system

The cash register may be programmed for the following six VAT/tax systems. The cash register is preprogrammed as automatic VAT 1-4 system.

#### Automatic VAT 1-4 system (Automatic operation method using programmed percentages)

This system, at settlement, calculates VAT for taxable 1 through 4 subtotals by using the corresponding programmed percentages.

#### Automatic tax 1-4 system (Automatic operation method using programmed percentages)

This system, at settlement, calculates taxes for taxable 1 through 4 subtotals by using the corresponding programmed percentages, and also adds the the calculated taxes to those subtotals, respectively.

Manual VAT 1-4 system (Manual entry method using programmed percentages)

This system provides the VAT calculation for taxable 1 through 4 subtotals. This calculation is performed using the corresponding programmed percentages when the VAT key is pressed just after the #/TM/ST key.

Manual VAT 1 system (Manual entry method for subtotals that uses VAT 1 preset percentages)

This system enables the VAT calculation for the then subtotal. This calculation is performed using the VAT 1 preset percentages when the  $\overline{\text{VAT}}$  key is pressed just after the  $\overline{\text{\#/TM/ST}}$  key. For this system, the keyed-in tax rate can be used.

#### Manual tax 1-4 system (Manual entry method using preset percentages)

$$\longrightarrow$$
  $\boxed{\#/\text{TM/ST}} \longrightarrow \boxed{\text{VAT}}$ 

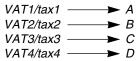
This system provides the tax calculation for taxable 1 through 4 subtotals. This calculation is performed using the corresponding programmed percentages when the VAT key is pressed just after the #/TM/ST key. After this calculation, you must finalize the transaction.

#### Automatic VAT 1 and automatic tax 2-4 system

This system enables the calculation in the combination with automatic VAT 1 and automatic tax 2 through 4. The combination can be any of VAT1 corresponding to taxable 1 and any of tax 2 through 4 corresponding to taxable 2 through taxable 4 for each item. The tax amount is calculated automatically with the percentages previously programmed for these taxes.

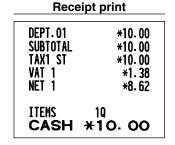


- The tax status of PLU/subdepartment depends on the tax status of the department which the PLU/subdepartment belongs to.
- VAT/tax assignment symbol can be printed at the fixed right position near the amount on the receipt as follows:



When the multiple VAT/tax is assigned to a department or a PLU, a symbol of the lowest number assigned to VAT/tax rate will be printed. For programming, please refer to "Various Function Selection Programming 1" (Job code 66) on page 63.

| Key operation example                              |                   |
|--|-------------------|
| (When the manual<br>VAT 1-4 system<br>is selected) | 1000 1 17 WAT VAT |
|  |                   |



# **OPTIONAL FEATURES**

## 1 Auxiliary Entries

## ■ Percent calculations (premium or discount)

Your register provides the percent calculation for the subtotal and/or each item entry depending on the programming. Refer to "Programming for [%1] and [%2]" for the programming.

• Percentage: 0.01 to 100.00% (Depending on the programming)

Application of preset rate (if programmed) and manual rate entry are available.

#### Percent calculation for subtotal

#### Key operation example

4 (8)
140 (5 21)
570 (7 23)
#/TM/ST
10 (%1)
TL/NS

#### Receipt print

| 4x 1.40<br>DEPT.05<br>DEPT.07<br>SUBTOTAL | *5.60<br>*5.70<br>*11.30     |
|---|------------------------------|
| %1  | -10%<br>-1.13                |
| ITEMS<br>CASH                             | 50<br><b>*10</b> . <b>17</b> |

#### Percent calculation for item entries

#### Key operation example

800 6 22 7 • 5 %1 15 PLU/SUB %2 TL/NS

(When premium and 15% are programmed for the %2 key)

#### Receipt print

| DEPT. 06                | *8.00                   |
|-------------------------|-------------------------|
| % <b>1</b><br>PLU. 0015 | -7.5%<br>-0.60<br>*5.00 |
| %2                      | 15.00%<br>*0.75         |
| ITEMS<br>CASH           | 2Q<br><b>*13</b> . 15   |

#### Deduction entries

Your register allows you to deduct a preset amount or a certain amount manually entered, which are less than a programmed upper limit. These calculations can be after the entry of an item and/or the computation of subtotal depending on the programming. Refer to "Programming for  $\bigcirc$ " for the programming.

#### **Deduction for subtotal**

#### Key operation example

575 6<sup>22</sup>
10 PLU/SUB
#/TM/ST
100 ©
TL/NS

#### Receipt print

#### **Deduction for item entries**

#### Key operation example

675 7<sup>23</sup>

(D)

(TL/NS)

(When a deduction amount of 0.75 is programmed.)

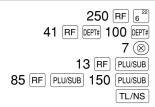
## Receipt print

#### Refund entries

For departments 1 to 16, enter the refund amount and press the RF key, and then press the corresponding department key and for departments 17 to 32, enter the refund amount and press the RF key, then press the RF key and press the corresponding department key (when using the preset price, omit entering the amount). In case of department 33 to 99, enter the department code and press RF key and the RF key, then enter the refund amount and press the RF key if necessary.

For a refund of a PLU item, enter the PLU code and press the RF key, then press the PLUSUB key. For a refund of a subdepartment item, enter the PLU code and press the RF key and PLUSUB key, then enter the refund amount and press the PLUSUB key.

#### Key operation example



#### Receipt print

| DEPT.06                      | R-2.50  |
|------------------------------|---------|
| DEPT . 41                    | R-1.00  |
| <b>−7</b> x 2.10<br>PLU.0013 | R-14.70 |
| PLU. 0085                    | R-1.50  |
| ITEMS                        | 00      |
|                              | *19. 70 |
|                              |         |

## ■ Non-add code number entries and printing

You can enter a non-add code number such as a customer's code number and credit card number, a maximum of 16 digits, at any point during the entry of a sale. The cash register will print it at once.

To enter a non-add code number, enter the number and press the #/TW/ST key.

#### Key operation example

1230 #/TM/ST 1500 6<sup>22</sup> CR1

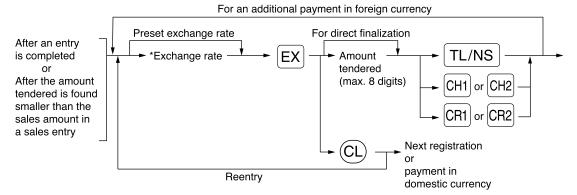
#### Receipt print

#000000000001230
DEPT. 06 \*15. 00

ITEMS 1Q
CREDIT1 \*15. OO

## 2 Auxiliary Payment Treatment

## ■ Currency exchange

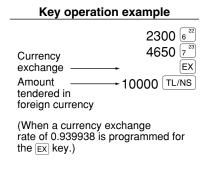


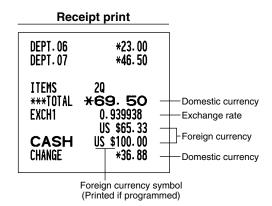
\*Exchange rate: 0.000000 to 999.999999

## Note

- Press the CL key after pressing the EX key to cancel payment in a foreign currency.
- If "Yes" is selected for cheque and credit operation when tendering in foreign currency in EURO programming, you can finalize a sale in foreign currency using the [CH1], [CH2], [CR1] or [CR2] key with preset exchange rate operation.
- If programmed, a foreign currency symbol is printed when you use a preset rate. Refer to "Foreign currency symbol" for the programming.
- Refer to "Programming for EX" for programming the currency exchange rate.

#### Applying preset exchange rate





## Applying manual exchange rate

| Rec                        | eipt print                               |
|----------------------------|--|
| DEPT. 06                   | *23.00                                   |
| DEPT. 07                   | *46.50                                   |
| ITEMS<br>***TOTAL<br>EXCH2 | 20<br><b>*69. 50</b><br>1. 275<br>88. 62 |
| CASH                       | 100.00                                   |
| CHANGE                     | *8.92                                    |

#### Received-on account entries

When you receive on account from a customer, use the  $\overline{RA}$  key. For the received-on-account (RA) entry, enter the amount, and press the  $\overline{RA}$  key.

Note

Cash tendering only available for RA operation.

Key operation example

12345 (#/TM/ST) 4800 (RA) Receipt print

#00000000012345 \*\*\*RA \*48.00

### ■ Paid-out entries

When you pay an amount to a vendor, use the RPTPO key. For the paid-out (PO) entry, enter the amount and press the RPTPO key.

Note

Cash tendering only available for PO operation.

Key operation example

54321 #/TM/ST 2300 RCPT/PO

Receipt print

#000000000054321 \*\*\*P0 \*23.00

## ■ No sale (exchange)

When you need to open the drawer with no sale, press the  $\boxed{\text{TL/NS}}$  key. The drawer will open and printer will print "NO SALE" on the receipt or journal. If you let the machine print a non-add code number before pressing the  $\boxed{\text{TL/NS}}$  key, a no sale entry is achieved and a non-add code number is printed. Refer to "Other programming" (job code 63) for the programming.

#000000000045678 NO SALE

## 3 Automatic Sequence Key (Auto key) Entries

AUTO

You can achieve a programmed transaction simply by pressing the [MTO] key. Refer to "AUTO key programming - Automatic sequence key" for the programming.

Key operation example

 $(\text{AUTO} = 500 \, \text{G}^{22}) \, \text{TL/NS})$ 

Receipt print

DEPT. 06 \*5. 00

ITEMS 10

CASH \*5. 00

# **Part3 FOR THE MANAGER**

## PRIOR TO PROGRAMMING

## Procedure for programming

- 1. Check to see whether a paper roll is present in the machine. If there is not enough paper on a roll, replace it with a new one (refer to "Replacing the Paper Roll" on page 82 for the replacement).
- 2. Put the manager key in the mode switch and turn it to the PGM position.
- **3.** Program necessary items into the cash register.

  Every time you program an item, the cash register will print the setting. Please refer to print samples in each section.
- **4.** If necessary, issue programming reports for your reference.



- On the key operation example shown in the programming details, numbers such as "22052007" indicates the parameter which must be entered using the corresponding numeric keys.
- Asterisks in the tables shown in the programming details indicate default settings.

## **■** Guidance messages

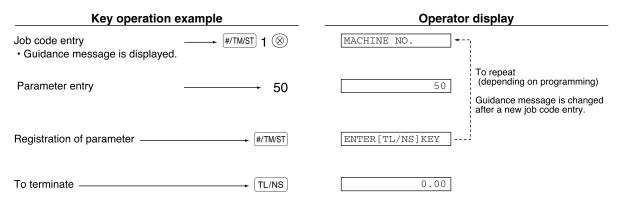
Depending on programming items, the register shows guidance messages on the operator display to indicate a programming item you are in, or guidance to enter data, as shown in the examples below.

#### Example 1: For key entry type programming

| Key operation example  | Operator display  |
|--|---|
| Parameter/price entry — → 008 ⊗ (In case of parameter entry) | 008 →<br>To repeat (depending on programming)                                       |
| Press of the subjected key Guidance message is displayed.    | PAYMENT KEY PROG Guidance message is kept displaying until you press the TL/NS key. |
| To terminate TL/NS   | 0.00  |

X1/Z1

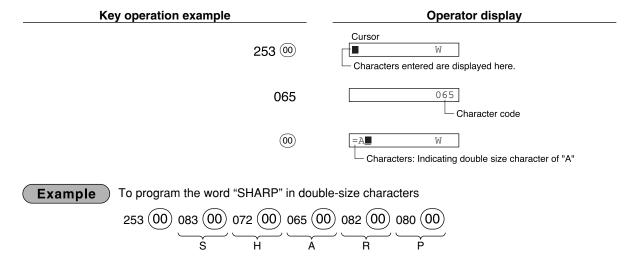
Example 2: Job code type programming (programming starting from the press of #/TM/ST].)



## Entering character codes with numeric keys on the keyboard

For entering numerals, letters or symbols, enter a character code using numeric keys and press the numeric key 00. For the character codes, please refer to the alphanumeric character code table on the next page. By doing this, you can program characters other than those on the key tops. For entering numerals and letters using character keys, refer to "Using character keys on the keyboard" on page 13.

- Double-size characters can be made by entering the character code 253 or pressing the DC key. "W" is displayed when double-size characters entry is selected as shown in the operator display example below.
- All three digits of the character code MUST be entered (even if it starts with zero).



#### Alphanumeric characte

| Code | Character |
|------|-----------|
| 001  | á         |
| 002  | â         |
| 003  | ê         |
| 004  | î         |
| 005  | ì         |
| 006  | ĺ         |
| 007  | ô         |
| 800  | ó         |
| 009  | û         |
| 010  | ú         |
| 011  | œ         |
| 012  | ű         |
| 013  | ú         |
| 014  | ő         |
| 015  | ó         |
| 016  | Λ         |
| 017  | Ψ         |
| 018  | Γ         |
| 019  |           |
| 020  | Ω         |
| 021  | Δ         |
| 022  | θ         |
| 023  | 臣         |
| 024  | П         |
| 025  | Σ         |
| 026  | Υ         |
| 027  | Φ         |
| 028  | Ű         |
| 029  | Ú         |
| 030  | Ő         |
| 031  | Ó         |
| 032  | (space)   |
| 033  | !         |
| 034  | "         |
| 035  | #         |
| 036  | \$        |
| 037  | %         |
| 038  | &         |
| 039  | ,         |
| 040  | (         |
| 041  | )         |
| 042  | *         |
| 043  | +         |
| 044  | ,         |
|      | · · ·     |

| Code       | Character |
|------------|-----------|
| 046        | ·         |
| 047        | ,         |
| 048        | 0         |
| 049        | 1         |
| 050        | 2         |
| 051        | 3         |
| 052        | 4         |
| 053        | 5         |
| 054        | 6         |
| 055        | 7         |
| 056        | 8         |
| 057        | 9         |
| 058        | :         |
| 059        | ;         |
| 060        | ,         |
| 061        | =         |
| 062        |           |
| 063        | ?         |
| 064        | @         |
| 065        | A         |
| 066        | В         |
| 067        | С         |
|            | D         |
| 068<br>069 | E         |
|            | F         |
| 070<br>071 |           |
| 071        | G<br>H    |
| 072        | l l       |
|            | J         |
| 074<br>075 | K         |
|            | L         |
| 076        |           |
| 077        | M         |
| 078        | N         |
| 079        | 0         |
| 080        | Р         |
| 081        | Q         |
| 082        | R         |
| 083        | S         |
| 084        | T         |
| 085        | U         |
| 086        | V         |
| 087        | W         |
| 088        | Х         |
| 089        | Υ         |
| 090        | Z         |

|     | Character      |
|-----|----------------|
| 091 | Ä              |
| 092 | Ö              |
| 093 | Ü              |
| 094 | ۸              |
| 095 | _              |
| 096 | t              |
| 097 | а              |
| 098 | b              |
| 099 | С              |
| 100 | d              |
| 101 | е              |
| 102 | f              |
| 103 | g              |
| 104 | h              |
| 105 | i              |
| 106 | j              |
| 107 | k              |
| 108 | I              |
| 109 | m              |
| 110 | n              |
| 111 | 0              |
| 112 | р              |
| 113 | q              |
| 114 | r              |
| 115 | S              |
| 116 | t              |
| 117 | u              |
| 118 | ٧              |
| 119 | w              |
| 120 | х              |
| 121 | у              |
| 122 | Z              |
| 123 | {              |
| 124 |                |
| 125 | }              |
| 126 | В              |
| 127 | ¢              |
| 128 | !!             |
| 129 | 1              |
| 130 | 2              |
| 131 | 3              |
| 132 | 4              |
| 133 | 1/2            |
| 134 | F <sub>T</sub> |
| 135 | <b>←</b>       |

| Code | Character     |
|------|---------------|
| 136  | $\rightarrow$ |
| 137  | S             |
| 138  | <u>S</u>      |
| 139  | - ◀           |
| 140  | <b>&gt;</b>   |
| 141  | F             |
| 142  | T             |
| 143  | Ţ<br>Ç        |
| 144  | Ç             |
| 145  |               |
| 146  | <u>.</u>      |
| 147  | ù             |
| 148  | à             |
| 149  | Æ             |
| 150  | Ø             |
| 151  | Å             |
| 152  | ¤             |
| 153  | é             |
| 154  | è             |
| 155  | Pt .          |
| 156  | i             |
| 157  | Ñ             |
| 158  | ò             |
| 159  | £             |
| 160  | ¥             |
| 161  | 0             |
| 162  | Г             |
| 163  | ل             |
| 164  |               |
| 165  | Á             |
| 177  | A             |
| 178  | I             |
| 180  | A             |
| 181  | ā<br>=        |
| 182  | Ē             |
| 183  | <u>ē</u>      |
| 184  | <u> </u>      |
| 185  | Ī             |
| 186  | Ū             |
| 187  | ū             |
| 188  | Ņ             |
| 189  | ņ             |
| 190  | Č             |
| 191  | Š             |
| 192  | l C           |

| Code | Character   |
|------|-------------|
| 193  |             |
| 194  | Ġ           |
| 195  | Ş           |
| 196  | Ģ           |
| 197  | ġ           |
| 198  | Ķ           |
| 199  | ķ           |
| 200  | Ļ           |
| 201  | J           |
| 202  | ž           |
| 203  | Ð           |
| 204  | đ           |
| 205  | Ć           |
| 206  |             |
| 207  | ć<br>€      |
| 208  | P           |
| 209  | `           |
| 210  | ě           |
| 211  | š           |
| 212  |             |
| 213  | č<br>ž<br>ý |
| 214  | ý           |
| 215  | ů           |
| 216  | ň           |
| 217  | ~           |
| 218  | 1           |
| 219  | ř           |
| 224  | *           |
| 225  | §           |
| 226  | Ø           |
| 227  | ^           |
| 228  | 1           |
| 229  | ]           |
| 230  | [           |
| 231  | "           |
| 232  | ä           |
| 233  | Ö           |
| 234  | ü           |
| 235  | æ           |
| 236  | å           |
| 237  | É           |
| 238  | ñ           |
| 253  | *(DC)       |
|      |             |
| 1    |             |

Note

045

The character "!!" (code 128) cannot be displayed (displayed as "!").

<sup>\*(</sup>DC): Double-size character code

<sup>:</sup> The shaded characters cannot be correctly displayed; a similar character or a space is displayed instead.

# **AUXILIARY FUNCTION PROGRAMMING**

## 1 Miscellaneous Key Programming

The cash register provides miscellaneous keys such as ①, %1, %2, EX, RA, ROTTO, CH1, CH2, CR1, CR2 and TL/NS. Miscellaneous keys are programmed in one procedure with guidance messages except for the TL/NS key.

## Note

- To keep current setting on each programming, press the #/TM/ST key when the corresponding guidance message is firstly displayed.
- When pressing the TL/NS key in the middle of procedure, the programming will terminate and the data you entered before the press of TL/NS is saved.
- When pressing the CL key twice in the middle of procedure, the programming will terminate and the data you entered before pressing the CL key twice is NOT saved.
- When pressing the department, PLU, , , EX, EX, RA, RPTP, CH1, CH2, CR1 or CR2 key in the middle of procedure except while entering texts or prices, the programming will move to the pressed key programming.

## **■** Programming for ⊙

| ■ Programming for [ ]  |                      |                                 |
|--|----------------------|---------------------------------|
| _  | Key operation        | Operator display                |
| 1. Specify the key to program.   |                      |                                 |
| (1) Press the (a) to enter (b) programming.  Immediately after displaying "(-) PROGRAMMING", guidance message for the next step will be displayed.   | 0                    | (-) PROGRAMMING  ↓ ENTER[00]KEY |
| 2. Text programming (Press #/TM/ST) to skip. / Press TL/   | vs to terminate.)    |                                 |
| <ul> <li>(1) Press (1) key to enter text programming. Immediately after displaying guidance message, the current text data will be displayed.</li> <li>(2) Enter the text.  A maximum of 16 characters can be entered. Please refer to "Guidance for text programming" on page 13 for entering the text.  When you start entering a character, the current text data will be overwritten by new data. Pressing the  and  key moves the cursor to the right and left respectively.</li> </ul> | (-)                  | ENTER TEXT  ↓  = (=-=)  (-)     |
| (3) Press the #/TM/ST key to register the text.  Immediately after displaying guidance message for the next step, the current setting for the next step will be displayed.   | #/TM/ST              | ENTER AMOUNT                    |
| 3. Amount programming (Press #/TM/ST) to skip. / Press   | TL/NS to terminate.) |                                 |
| <ul><li>(1) Enter the amount using numeric keys.</li><li>A maximum of 6 digits can be set.</li></ul>   | 300                  | 300                             |

Default setting is 0.

(2) Press the #/TWST key to register the amount.

Immediately after displaying guidance message for the next step, the current setting for the next step will be displayed.



- 4. Sign programming (Press #/TM/ST) to skip. / Press TL/NS to terminate.)
  - (1) Go to (2) when the sign does not need to be changed from "(-)". Otherwise, press 00 key to display "(+)".

Each time (00) key is pressed, the display shows "(+)" and "(-)" alternatively.

Choose "(-)" for discount and "(+)" for premium. Default setting is "(-)".

(2) Press the #/TW/ST key to register the setting. Immediately after displaying guidance message for the next step, the current setting for the next step will be displayed.



- 5. Discount calculation (for the items) programming (Press #/TM/ST) to skip. / Press TL/NS to terminate.)
  - (1) Go to (2) when the discount calculation for the items does not need to be changed from "ITEM ENABLE". Otherwise, press 00 key to display "ITEM DISABLE".

Each time 00 key is pressed, the display shows "ITEM DISABLE" and "ITEM ENABLE" alternatively. Default setting is "ENABLE".

(2) Press the #/TM/ST key to register the setting. Immediately after displaying guidance message for the next step, the current setting for the next step will be displayed.



- 6. Discount calculation (for the subtotals) programming (Press #/TM/ST to skip. / Press TL/NS to terminate.)
  - (1) Go to (2) when the discount calculation for the subtotals does not need to be changed from "SBTL ENABLE". Otherwise, press (00) key to display "SBTL DISABLE".

Each time (00) key is pressed, the display shows "SBTL DISABLE" and "SBTL ENABLE" alternatively. Default setting is "ENABLE".

(2) Press the #/TWST key to register the setting. Immediately after displaying guidance message for the next step, the current setting for the next step will be displayed.



## 7. Entry digit limit programming (Press #/TM/ST) to skip. / Press TL/NS to terminate.)

(1) Enter entry digit limit using numeric key.

The entry digit limit can be set up to 8.

Default setting is 8.

The entry digit limit is in effect for the REG mode operations but can be overridden in the MGR mode. The entry digit limit is represented by the number of allowable digit for the maximum entry amount for discount key. When "0" is set, open price entry is prohibited.

(2) Press the #/TM/ST key to register the setting.

#/TM/ST

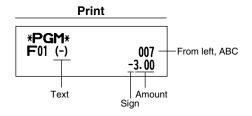
ENTER[TL/NS]KEY

7

#### 8. Terminate programming

(1) Press the TL/NS key to terminate the  $\bigcirc$  key programming.

0.00 TL/NS



=%=1

| Item | า:                   | Selection: | Print:         |  |
|------|----------------------|------------|----------------|--|
| Α    | Discount calculation | Enable*    | 0              |  |
|      | (for the items)      | Disable    | 1              |  |
| В    | Discount calculation | Enable*    | 0              |  |
|      | (for the subtotals)  | Disable    | 1              |  |
| С    | Entry digit limit    |            | 0-8(default:8) |  |

## ■ Programming for %1 and %2

(1) Press (00) key to enter text programming.

current text data will be displayed.

Immediately after displaying guidance message, the

The %1 key is used as an example below.

| -  | Key operation      | Operator display               |
|--|--------------------|--------------------------------|
| 1. Specify the key to program.   |                    |                                |
| (1) Press the %1 key to enter %1 programming. Immediately after displaying "%1 PROGRAMMING", guidance message for the next step will be displayed. | %1                 | %1 PROGRAMMING  ↓ ENTER[00]KEY |
| 2. Text programming (Press #/TM/ST) to skip. / Press TL  | /NS to terminate.) |                                |
| (1) Press (00) key to enter text programming.  | (00)               | ENTER TEXT                     |

15.00

%

(2) Enter the text.

A maximum of 16 characters can be entered.

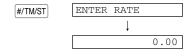
Please refer to "Guidance for text programming" on page 13 for entering the text.

When you start entering a character, the current text data will be overwritten by new data.

Pressing the • and ⊗ key moves the cursor to

Pressing the  $oldsymbol{\bullet}$  and  $oldsymbol{\otimes}$  key moves the cursor to the right and left respectively.

(3) Press the #/TWST key to register the text.
Immediately after displaying guidance message for the next step, the current setting for the next step will be displayed.



3. Rate programming (Press #/TM/ST) to skip. / Press TL/NS to terminate.)

(1) Enter the rate using numeric keys, using a decimal point when setting fractional rates.

The rate can be set from 0.00 to 100.00.

Default setting is 0.

(2) Press the #/TW/ST key to register the rate. Immediately after displaying guidance message for the next step, the current setting for the next step will be displayed.



15.00

4. Sign programming (Press #/TM/ST) to skip. / Press TL/NS to terminate.)

(1) Go to (2) when the sign does not need to be changed from "(-)". Otherwise, press 00 key to display "(+)".

Each time (00) key is pressed, the display shows "(+)" and "(-)" alternatively.

Choose "(-)" for discount and "(+)" for premium. Default setting is "(-)".

(2) Press the #/TWST key to register the setting. Immediately after displaying guidance message for the next step, the current setting for the next step will be displayed.



5. Discount calculation (for the items) programming (Press #/Twst to skip. / Press TL/Ns to terminate.)

(1) Go to (2) when the discount calculation for the items does not need to be changed from "ITEM ENABLE". Otherwise, press (00) key to display "ITEM DISABLE".

Each time (00) key is pressed, the display shows "ITEM DISABLE" and "ITEM ENABLE" alternatively. Default setting is "ENABLE".

(2) Press the #/TW/ST key to register the setting. Immediately after displaying guidance message for the next step, the current setting for the next step will be displayed.



### 6. Discount calculation (for the subtotals) programming (Press #/TM/ST) to skip. / Press TL/NS to terminate.)

(1) Go to (2) when the discount calculation for the subtotals does not need to be changed from "SBTL ENABLE". Otherwise, press (00) key to display "SBTL DISABLE".

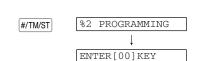
Each time 00 key is pressed, the display shows "SBTL DISABLE" and "SBTL ENABLE" alternatively. Default setting is "ENABLE".

(2) Press the #/TWST key to register the setting.
Immediately after displaying guidance message for the next step, the current setting for the next step will be displayed.



## 7. Percent rate limit programming (Press #/TM/ST) to skip. / Press (TL/NS) to terminate.)

- (1) Enter percent rate limit using numeric key. The rate limit can be set from 0.00 to 100.00. Default setting is 100.00.
- (2) Press the #/TM/ST key to register the setting.
  In the case of programming for the %1 key, the display shows "%2 PROGRAMMING". Go to step 2 to program the %2 key.
  In the case of programming for the %2 key, the display shows "ENTER[TL/NS]KEY". Go to step 8.



90.00

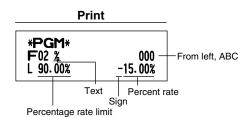
TL/NS

90.00

0.00

#### 8. Terminate programming

(1) Press the TL/NS key to terminate the 1/81 key programming.



| Item | n:                   | Selection: | Print: |  |
|------|----------------------|------------|--------|--|
| Α    | Discount calculation | Enable*    | 0      |  |
|      | (for the items)      | Disable    | 1      |  |
| В    | Discount calculation | Enable*    | 0      |  |
|      | (for the subtotals)  | Disable    | 1      |  |
| С    | Always 0 is printed. |            | 0      |  |

## ■ Programming for EX

**Key operation** Operator display 1. Specify the key to program. EXCHANGE PROG. [EX] (1) Press the [EX] key to enter [EX] programming. Immediately after displaying "EXCHANGE PROG.", ENTER[00]KEY guidance message for the next step will be displayed. 2. Text programming (Press #/TM/ST) to skip. / Press TL/NS to terminate.) (00) ENTER TEXT (1) Press (00) key to enter text programming. Immediately after displaying guidance message, the EXCH1 current text data will be displayed. (2) Enter the text. EX EX A maximum of 16 characters can be entered. Please refer to "Guidance for text programming" on page 13 for entering the text. When you start entering a character, the current text data will be overwritten by new data. Pressing the  $(\cdot)$  and  $(\otimes)$  key moves the cursor to the right and left respectively. ENTER EX RATE #/TM/ST (3) Press the #/TM/ST key to register the text. Immediately after displaying guidance message for 0.000000 the next step, the current setting for the next step will be displayed. 3. Rate programming (Press [#/TM/ST] to skip. / Press [TL/NS] to terminate.) (1) Enter the rate using numeric keys, using a decimal 0.939938 0.939938 point when setting fractional rates. The rate can be set from 0.000000 to 999.999999. Default setting is 0.000000. #/TM/ST OPEN RATE ENTRY (2) Press the #/TM/ST key to register the rate. Immediately after displaying guidance message for OPEN ENABLE the next step, the current setting for the next step will be displayed. 4. Open rate entry programming (Press #/TM/ST] to skip. / Press [TL/NS] to terminate.) (1) Go to (2) when the open rate entry does not need to be changed from "OPEN ENABLE". Otherwise, press (00) key to display "OPEN DISABLE". Each time (00) key is pressed, the display shows "OPEN DISABLE" and "OPEN ENABLE" alternatively. Default setting is "ENABLE". PRESET RATE #/TM/ST (2) Press the #/TM/ST key to register the setting. Immediately after displaying guidance message for PRESET ENABLE

the next step, the current setting for the next step

will be displayed.

## 5. Preset rate entry programming (Press #/TM/ST) to skip. / Press TL/NS to terminate.)

(1) Go to (2) when the preset rate entry does not need to be changed from "PRESET ENABLE".

Otherwise, press @0 key to display "PRESEST

DISABLE".

Each time (00) key is pressed, the display shows "PRESET DISABLE" and "PRESET ENABLE" alternatively.

Default setting is "ENABLE".

(2) Press the #/TM/ST key to register the setting.
Immediately after displaying guidance message for the next step, the current setting for the next step will be displayed.



#### 6. Position of decimal point programming (Press #/TWST to skip. / Press TL/NS to terminate.)

 Enter the position of decimal point from right using numeric key.

The position of decimal point from right can be set from 0 to 3.

Default setting is 2.

(2) Press the #/TM/ST key to register the setting.

#/TM/ST ENTER[TL/NS]KEY

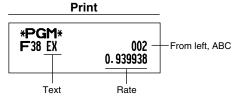
2

0.00

#### 7. Terminate programming

(1) Press the TL/NS key to terminate the EX key programming.





TL/NS

| Item | n:   | Selection: | Print:          |
|------|--|------------|-----------------|
| Α    | Open rate entry                            | Enable*    | 0               |
|      |  | Disable    | 1               |
| В    | Preset rate entry                          | Enable*    | 0               |
|      |  | Disable    | 1               |
| С    | TAB (position of decimal point from right) |            | 0-3 (default:2) |

## ■ Programming for RA, ROTIPO, CH1, CH2, CR1 and CR2

The CHI key is used as an example below.

Programming for RA and ROTIPO, the step 3 and 4 are skipped.

| Key operation | Operator display |
|---------------|------------------|
|               |                  |

#### 1. Specify the key to program.

(1) Press the CH1 key to enter CH1 programming.

Immediately after displaying "CH1 PROGRAMMING",
guidance message for the next step will be displayed.



**CHEQUE** 

(00)

## 2. Text programming (Press #/TM/ST) to skip. / Press TL/NS to terminate.)

(1) Press (00) key to enter text programming.

Immediately after displaying guidance message, the current text data will be displayed.

ENTER TEXT

CHECK1

(2) Enter the text.

A maximum of 16 characters can be entered.

Please refer to "Guidance for text programming" on page 13 for entering the text.

When you start entering a character, the current text data will be overwritten by new data.

text data will be overwritten by new data.

Pressing the • and ® key moves the cursor to the right and left respectively.

(3) Press the #/TWST key to register the text.

Immediately after displaying guidance message for the next step, the current setting for the next step will be displayed.



CHEQUE

## 3. Footer print on receipt programming (Press #/TM/ST) to skip. / Press TL/NS to terminate.)

 Go to (2) when the footer print on receipt does not need to be changed from "NO". Otherwise, press
 key to display "YES".

Each time (00) key is pressed, the display shows "YES" and "NO" alternatively.

Default setting is "NO".

This programming decides whether or not the machine should print a message at the foot of a receipt when a specified key is used. With regard to programming method of footer logo message, refer to "Logo messages" section on page 23.

(2) Press the #/TWST key to register the setting.
Immediately after displaying guidance message for the next step, the current setting for the next step will be displayed.



## 4. Entry of amount tendered programming (Press #/TM/ST) to skip. / Press TL/NS to terminate.)

(1) Go to (2) when the entry of amount tendered does not need to be changed from "NON COMPULSORY". Otherwise, press (00) key to display "COMPULSORY".

Each time (00) key is pressed, the display shows "COMPULSORY" and "NON COMPULSORY" alternatively. In case of CR1 and CR2 programming, "INHIBIT" is displayed instead of "NON COMPULSORY".

Default setting is "NON COMPULSORY" or "INHIBIT".

(2) Press the #/TWST key to register the setting. Immediately after displaying guidance message for the next step, the current setting for the next step will be displayed.



## 5. Entry digit limit programming (Press #/TM/ST) to skip. / Press TL/NS to terminate.)

Enter entry digit limit using numeric key.
 The entry digit limit can be set up to 8.

Default setting is 8.

The entry digit limit is in effect for REG mode operation but can be overridden in the MGR mode. The entry digit limit is represented by the number of allowable digits for the maximum entry or total amount. When "0" is set, the operation of the corresponding key is prohibited.

(2) Press the #/TM/ST key to register the setting. In the case of programming for the CH1 and CR1 keys, the display shows "CH2 PROGRAMMING" and "CR2 PROGRAMMING" respectively. Go to step 2 to program the CH2 and CR2 keys. In the case of programming for the RA, ROTTPO, CH2 and CR2 keys, the display shows "ENTER[TL/NS]KEY". Go to step 6.

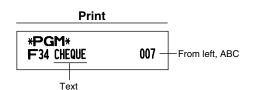


7

0.00

## 6. Terminate programming

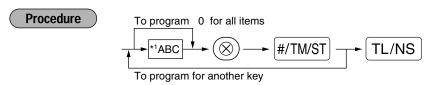
(1) Press the TL/NS key to terminate the CHI key programming.



TL/NS

| :                     | Selection:                          | Print:  |  |
|-----------------------|-------------------------------------|---|--|
| Footer print          | No*                                 | 0   |  |
|                       | Yes                                 | 1   |  |
| Amount tendered entry | Non compulsory (for CH1 and CH2)*   | 0   |  |
|                       | Inhibit (for CR1) and CR2)*         | 0   |  |
|                       | Compulsory                          | 1   |  |
| Entry digit limit     |                                     | 0-8 (default:8)   |  |
|                       | Footer print  Amount tendered entry | Footer print  No* Yes  Amount tendered entry  Non compulsory (for CH1 and CH2)* Inhibit (for CR1 and CR2)* Compulsory | Footer print         No*         0           Yes         1           Amount tendered entry         Non compulsory (for CH1 and CH2)*         0           Inhibit (for CR1 and CR2)*         0           Compulsory         1 |

## **■ Function parameters for** TL/NS



| *1:Item  | 1:                     | Selection:      | Entry:          |  |
|----------|------------------------|-----------------|-----------------|--|
| A        | Footer printing*       | Allow           | 1               |  |
|          |                        | Disallow*       | 0               |  |
| В        | Amount tendered entry* | Compulsory      | 1               |  |
|          |                        | Non-compulsory* | 0               |  |
| <u> </u> | Entry digit limit      |                 | 0-8 (default:8) |  |

#### Footer printing

• This programming decides whether or not the machine should print a message at the foot of a receipt when the TL/NS key is used. With regard to programming method of footer logo message, refer to "Logo messages" section on page 23.

#### **Amount tendered entry**

You may select amount tendered, compulsory or optional.

#### **Entry digit limit**

• Program upper limit entry for total cash amount which can be handled on the register. The entry digit limit is in effect for REG mode operation but can be overridden in the MGR mode. The entry digit limit is represented by the number of allowable digits for the maximum entry or total amount. When "0" is set, the operation of the corresponding key is prohibited.

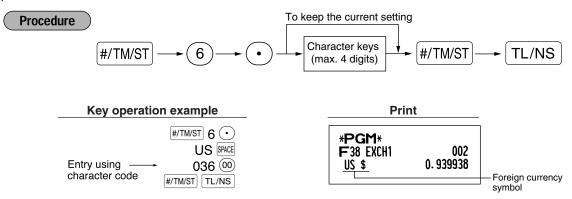


## 2 Other Text Programming

Please refer to "Guidance for text programming" on page 13 as for how to entering characters.

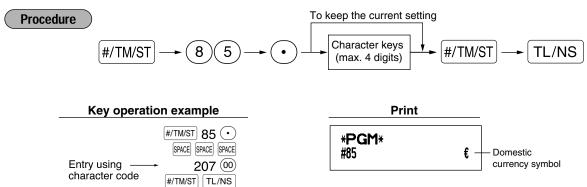
## ■ Foreign currency symbol (4 digits)

Foreign currency symbol for the EX key is printed with a foreign currency exchange amount obtained using a preset rate.



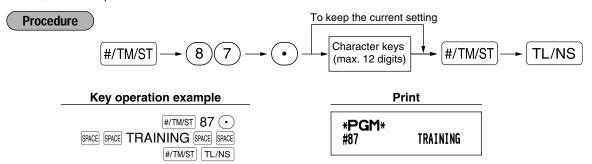
## ■ Domestic currency symbol (4 digits)

"\*" is set as a default setting. When you want to change the domestic currency symbol, change the setting.



## **■ Training mode text** (12 digits)

For every receipts issued in the training mode, \*\*TRAINING\*\* is printed by default. When you want to change the text, follow the procedure below.

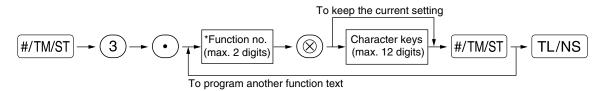


Note

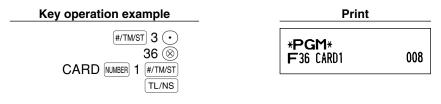
The programmed text is printed in double-size characters on the receipts issued in the training mode.

## **■ Function text** (12 digits)

#### Procedure



<sup>\*</sup> Function no.: See "List of function texts" shown on the following page.



(Programming CARD1 for credit 1)

## ■ List of function texts

| Function no. | Key or function        | Default<br>setting | Function no. | Key or function               | Default<br>setting |
|--------------|------------------------|--------------------|--------------|-------------------------------|--------------------|
| 1            | Θ                      | (-)                | 41           | Exchange credit               | EX1 CR             |
| 2            | %1                     | %1                 | 42           | Cash in drawer                | **** CID           |
| 3            | %2                     | %2                 | 43           | Cash/cheque in drawer         | CA/CH ID           |
| 4            | Differ                 | DIFFER             | 44           | Change for cheque             | CHK/CG             |
| 5            | Taxable 1 subtotal     | TAX1 ST            | 45           | Domestic currency 1           | DOM.CUR1           |
| 6            | Taxable 2 subtotal     | TAX2 ST            | 46           | Domestic currency 2           | DOM.CUR2           |
| 7            | Taxable 3 subtotal     | TAX3 ST            | 47           | Dom. currency for EX cheque   | DOM.CUR1           |
| 8            | Taxable 4 subtotal     | TAX4 ST            | 48           | Dom. currency for EX credit   | DOM.CUR1           |
| 9            | VAT/tax 1              | VAT 1              | 49           | Cheque in drawer              | *CH ID             |
| 10           | VAT/tax 2              | VAT 2              | 50           | (+) Dept total                | *DEPT TL           |
| 11           | VAT/tax 3              | VAT 3              | 51           | (-) Dept total                | DEPT (-)           |
| 12           | VAT/tax 4              | VAT 4              | 52           | Net 1 (Taxable 1 - VAT/tax 1) | NET 1              |
| 13           | Net 1                  | NET1               | 53           | Net 2 (Taxable 2 - VAT/tax 2) | NET 2              |
| 16           | Net 2                  | NET2               | 54           | Net 3 (Taxable 3 - VAT/tax 3) | NET 3              |
| 17           | Refund                 | REFUND             | 55           | Net 4 (Taxable 4 - VAT/tax 4) | NET 4              |
| 18           | Void                   | $\sim$             | 56           | Subtotal                      | SUBTOTAL           |
| 19           | Void mode total        | MODE               | 57           | Merchandise subtotal          | MDSE ST            |
| 20           | Manager void           | MGR ∽              | 58           | Total                         | *** TOTAL          |
| 21           | Subtotal void          | SBTL ∽             | 59           | Change                        | CHANGE             |
| 22           | Bill counter           | BILL CNT           | 60           | Sales q'ty                    | ITEMS              |
| 23           | No sale                | NO SALE            | 61           | Due                           | DUE                |
| 26           | Customer               | GUEST              | 62           | Exchange (Preset rate) change | EX1 CHG            |
| 28           | Paid total             | PAID TL            | 63           | Amount                        | AMOUNT             |
| 29           | Average                | AVE.               | 64           | Total tax                     | TTL TAX            |
| 31           | RA                     | ***RA              | 67           | Net without tax (on report)   | NET                |
| 32           | PO                     | ***PO              | 68           | Department report title       | DEPT               |
| 33           | Cash                   | CASH               | 69           | PLU report title              | PLU                |
| 34           | Cheque 1               | CHECK1             | 70           | Transaction report title      | TRANS.             |
| 35           | Cheque 2               | CHECK2             | 71           | Clerk report title            | CLERK              |
| 36           | Credit 1               | CREDIT1            | 72           | Hourly report title           | HOURLY             |
| 37           | Credit 2               | CREDIT2            | 76           | Non add symbol (8 chara.)     | #                  |
| 38           | Exchange (Preset rate) | EXCH1              | 77           | Copy receipt title            | COPY               |
| 39           | Exchange (Open rate)   | EXCH2              | 79           | EJ report title               | EJ                 |
| 40           | Exchange cheque        | EX1 CHK            | 80           | EJ report end title           | <b>EJ</b> END      |

## **ADVANCED FUNCTION PROGRAMMING**

## 1 Register Number and Consecutive Number Programming

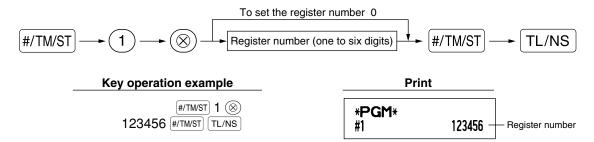
The register number and consecutive numbers are printed on every receipt or journal.

When your store has two or more registers, it is practical to set separate register numbers for identification. The consecutive number is increased by one each time a receipt is issued or when a journal print occurs.

For consecutive number programming, enter a number (max. 6 digits) that is one less than the desired starting number.

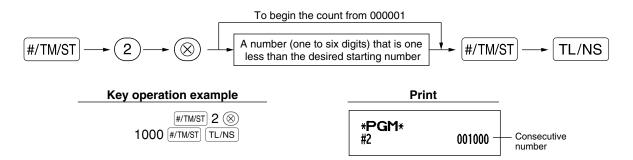
## Register number

#### Procedure



## **■** Consecutive number

#### Procedure

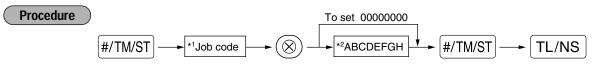


## **2** Various Function Selection Programming 1

The cash register provides various detailed functions listed below.

- Function selection for miscellaneous keys
- Print format
- · Receipt print format
- Others

For this programming, the job code entry style is applied. You can continue programming until you press the TL/NS key for the programming described in this section. To continue programming, repeat from a job code entry.



- \*1 Enter job code using numeric keys specified in each section below.
- \*2 Data entry details are listed on each table in each section below. An asterisk is entered for factory setting.

Example: When programming for job code 5 as ABCDEFGH: 00000100.



## **■** Function selection for miscellaneous keys

| Item: |                                     | Selection:                      | Entry: |  |
|-------|-------------------------------------|---------------------------------|--------|--|
| A     | Paid-out in the REG mode            | Enable*                         | 0      |  |
|       |                                     | Disable                         | 1      |  |
| В     | Received on account in the REG mode | Enable*                         | 0      |  |
|       |                                     | Disable                         | 1      |  |
| С     | Subtotal void in the REG mode       | Enable*                         | 0      |  |
|       |                                     | Disable                         | 1      |  |
| D     | Indirect void in the REG mode       | Enable*                         | 0      |  |
|       |                                     | Disable                         | 1      |  |
| Е     | Direct void in the REG mode         | Enable*                         | 0      |  |
|       |                                     | Disable                         | 1      |  |
| F     | Refund entry in the REG mode        | Enable*                         | 0      |  |
|       |                                     | Disable                         | 1      |  |
| G     | No sale in the REG mode             | Enable*                         | 0      |  |
|       |                                     | Disable                         | 1      |  |
| Н     | Fractional quantity entry           | Enable (3 digits decimal place) | 0      |  |
|       |                                     | Disable*                        | 1      |  |

## ■ Print format

Job code: 6

| Item | :  | Selection:       | Entry: |
|------|--|------------------|--------|
| A    | Printing style                               | Journal printing | 0      |
|      |  | Receipt*         | 1      |
| В    | Receipt print style                          | Total            | 0      |
|      |  | Detailed*        | 1      |
| С    | Time print on all receipts                   | Yes*             | 0      |
|      |  | No               | 1      |
| D    | Date print on all receipts                   | Yes*             | 0      |
|      |  | No               | 1      |
| Е    | Consecutive no. print                        | Yes*             | 0      |
|      |  | No               | 1      |
| F    | Separator line in reports                    | One line space   | 0      |
|      |  | Separator line*  | 1      |
| G    | Zero skip in PLU report                      | No               | 0      |
|      |  | Yes*             | 1      |
| Н    | Zero skip in full sales/clerk/hourly reports | No               | 0      |
|      |  | Yes*             | 1      |

## **Printing style**

• Even when receipt printing is selected, the journal rewind motor will be driven in PGM, OP X/Z, X1/Z1 and X2/Z2 modes so you can wind sales and programming reports.

## ■ Receipt print format

| Item: |   | Selection: | Entry: |
|-------|---|------------|--------|
| A     | Always enter 0.                             |            | 0      |
| В     | Always enter 0.                             |            | 0      |
| С     | Subtotal print with a press of subtotal key | No*        | 0      |
|       |   | Yes        | 1      |
| D     | Always enter 0.                             |            | 0      |
| E     | VAT/tax amount print                        | Yes*       | 0      |
|       |   | No         | 1      |
| F     | Taxable amount print                        | Yes*       | 0      |
|       |   | No         | 1      |
| G     | Net amount print                            | Yes*       | 0      |
|       |   | No         | 1      |
| Н     | Purchase no. print                          | Yes*       | 0      |
|       |   | No         | 1      |

## **■** Other programming

Note

As the guidance messages for other programming, "OTHERS + the lower digit number of job code" is displayed. For example, for job code 61, "OTHERS 1" is displayed as the guidance message.

Job code: 61

| Item: |  | Selection:                        | Entry:              |
|-------|--|-----------------------------------|---------------------|
| A     | Always enter 0.                              |                                   | 0                   |
| В     | Always enter 0.                              |                                   | 0                   |
| С     | Negative dept. and PLU/subdept.              | Disable                           | 0                   |
|       |  | Enable*                           | 1                   |
| D     | Fractional treatment                         | Round off (4 down, 5 up)*         | 0                   |
|       |  | Raising to unit                   | 1                   |
|       |  | Disregarding fractional treatment | 2                   |
| E     | Use of @ key                                 | As 00 key*                        | 0                   |
|       |  | As 000 key                        | 1                   |
| F     | Time format                                  | 12-hour format                    | 0                   |
|       |  | 24-hour format*                   | 1                   |
| G     | Date format                                  | Use month-day-year format         | 0                   |
|       |  | Use day-month-year format*        | 1                   |
|       |  | Use year-month-day format         | 2                   |
| Н     | Position of decimal point (from right) (TAB) |                                   | 0 to 3 (default: 2) |

| Item: |   | Selection:    | Entry: |
|-------|---|---------------|--------|
| A     | Always enter 0.                           |               | 0      |
| В     | Error beep for misoperation               | Lock error    | 0      |
|       |   | Misoperation* | 1      |
| С     | Key catch sound                           | Yes*          | 0      |
|       |   | No            | 1      |
| D     | Buffered keyboard                         | Yes*          | 0      |
|       |   | No            | 1      |
| E     | Void mode                                 | Enable*       | 0      |
|       |   | Disable       | 1      |
| F     | Printing of void mode in X2/Z2 report     | Yes*          | 0      |
|       |   | No            | 1      |
| G     | Printing of void mode in X1/Z1 report     | Yes*          | 0      |
|       | •   | No            | 1      |
| Н     | Addition to the hourly total in VOID mode | No*           | 0      |
|       | •   | Yes           | 1      |

#### Job code: 63

| Item:    |   | Selection:     | Entry: |  |
|----------|---|----------------|--------|--|
| <u>A</u> | Receipting at the time of "no sale" entry | Yes*           | 0      |  |
|          |   | No             | 1      |  |
| В        | No sale after non-add code entry          | Disable        | 0      |  |
|          |   | Enable*        | 1      |  |
| С        | Non-add code entry                        | Enable*        | 0      |  |
|          |   | Disable        | 1      |  |
| D        | Copy receipt                              | No*            | 0      |  |
|          |   | Yes            | 1      |  |
| E        | Entry that causes the merchandise         | Enable*        | 0      |  |
|          | subtotal to be smaller than zero          | Disable        | 1      |  |
| F        | Subtotal entry before tendering           | Noncompulsory* | 0      |  |
|          |   | Compulsory     | 1      |  |
| G        | Subtotal entry before direct non-tender   | Noncompulsory* | 0      |  |
|          | finalization                              | Compulsory     | 1      |  |
| Н        | Direct non-tender finalization after      | Disable        | 0      |  |
|          | tenderina                                 | Enable*        | 1      |  |

| Item: |  | Selection: | Entry: |
|-------|--|------------|--------|
| A     | Printing of GT1 on Z report              | Yes*       | 0      |
|       |  | No         | 1      |
| В     | Printing of GT2 on Z report              | Yes*       | 0      |
|       |  | No         | 1      |
| С     | Printing of GT3 on Z report              | Yes*       | 0      |
|       |  | No         | 1      |
| D     | Printing of Training GT on Z report      | Yes*       | 0      |
|       |  | No         | 1      |
| E     | Printing of Z counter on Z report        | Yes*       | 0      |
|       |  | No         | 1      |
| F     | Printing of DATA on PLU resetting report | Yes*       | 0      |
|       |  | No         | 1      |
| G     | Resetting of GT1, 2, 3 at the general Z1 | No*        | 0      |
|       | report                                   | Yes        | 1      |
| Н     | OP X/Z report                            | Enable*    | 0      |
|       |  | Disable    | 1      |

#### Job code: 66

| Item: |   | Selection:  | Entry: |
|-------|---|---|--------|
| A     | After transaction receipt               | Total only  | 0      |
|       |   | Details*  | 1      |
| В     | Amount printing when PLU unit price     | No*   | 0      |
|       | is zero                                 | Yes   | 1      |
| С     | Conversion SBTL printing of native SBTL | Yes*  | 0      |
|       |   | No  | 1      |
| D     | VAT/tax assignment print                | Yes   | 0      |
|       |   | No*   | 1      |
| E     | Compression print on journal at PGM,    | No (normal size)  | 0      |
|       | X1/Z1 and X2/Z2 modes                   | Yes (small size)*   | 1      |
| F     | Compression print on journal at REG,    | No (normal size)  | 0      |
|       | MGR and VOID modes                      | Yes (small size)*   | 1      |
| G     | Logo text print on journal              | No*   | 0      |
|       |   | Yes   | 1      |
| Н     | Footer print control                    | All receipts*   | 0      |
|       |   | Only on selected function key at the time of finalization | 1      |

## Compression print on journal

• This selection is valid when "printing style" (job code 6) is set to "journal printing".

| Item: |   | Selection:                       | Entry:             |
|-------|---|----------------------------------|--------------------|
| A     | Rounding amount printing                          | No*                              | 0                  |
|       | -   | Yes (for Australian system)      | 1                  |
| 3     | Total amount rounding when a transaction          | Rounding*                        | 0                  |
|       | is finalized directly by CH1, CH2, CR1 or CR2 key | Not rounding (for Australian sys | stem) 1            |
| )     | Rounding up of the unit digit of amount           |                                  | 0 - 9 (default: 0) |
| D     | Rounding down of the unit digit of amount         |                                  | 0 - 9 (default: 0) |
| E     | Application of rounding                           | Item and payment*                | 0                  |
|       |   | Payment                          | 1                  |
| F     | Limit of the least significant digit in           | Arbitrary*                       | 0                  |
|       | entering amount of item                           | 0 only                           | 1                  |
|       |   | 0 and 5 only                     | 2                  |
| G     | Memory of difference due to rounding              | No*                              | 0                  |
|       |   | Yes                              | 1                  |
| Н     | Limit of the least significant digit in           | Arbitrary*                       | 0                  |
|       | entering amount of payment                        | 0 only                           | 1                  |
|       |   | 0 and 5 only                     | 2                  |

#### Rounding amount printing (A)

Total amount rounding when a transaction is finalized directly by [CH1], [CH2], [CR1] or [CR2] key(B)

• When you live in Australia, set as shown on the tale below for the parameters A and B.

#### Rounding up of the unit digit of amount (C)

#### Rounding down of the unit digit of amount (D)

• Handle C and D as a pair. When you live in Australia, Switzerland, Norway or South Africa, set as shown on the table below for the parameters C and D.

The rounding is performed as follows:

In case C = 0: Unit digit of amount < or = Value of D — rounding down

Value of D < or = Unit digit of amount — rounding to 5

In other cases: Unit digit of amount < or = Value of D — rounding down

Value of D < Unit digit of amount < Value of C — rounding to 5

Value of C < or = Unit digit of amount — rounding up

#### Application of rounding (E)

Limit of the least significant digit in entering amount of item (F)

Memory of difference due to rounding (G)

Limit of the least significant digit in entering amount of payment (H)

• When you live in Australia, Switzerland, Norway or South Africa, set as shown on the table below for the parameters E through H.

|              | CD | E              | F            | G   | Н            |
|--------------|----|----------------|--------------|-----|--------------|
| Switzerland  | 82 | Item & payment | 0 and 5 only | No  | 0 and 5 only |
| Norway       | 54 | Payment        | Arbitrary    | Yes | 0 only       |
| South Africa | 05 | Payment        | Arbitrary    | Yes | 0 and 5 only |
|              |    |                |              |     |              |

|           | Α   | В            | CD | E        | F         | G   | Н            |
|-----------|-----|--------------|----|----------|-----------|-----|--------------|
| Australia | Yes | Not rounding | 82 | Payment* | Arbitrary | Yes | 0 and 5 only |

<sup>\*</sup> Applied to payment by cash and change amount.

|  | Selection:  | ≣ntry:   |
|--|---|--|
| Always enter 0.                            |   | 0  |
| Always enter 0.                            |   | 0  |
| Temporary EJ printing during a transaction | Disable   | 0  |
|  | Enable*   | 1  |
| EJ printing and clearing EJ data when      | No*   | 0  |
| issuing general Z1 report                  | Yes   | 1  |
| PGM mode operation records type            | Details*  | 0  |
|  | Header information only   | 1  |
| REG/MGR/VOID modes operation               | Details*  | 0  |
| records type                               | Total   | 1  |
| Compressing printing for EJ data           | No (normal size)  | 0  |
|  | Yes (small size)*   | 1  |
| Action when EJ memory area is full         | Continue  | 0  |
|  | Continue and warning (near full warning)  | * 1  |
|  | Lock and warning (with near full warning)   | 2  |
|  | Always enter 0. Temporary EJ printing during a transaction  EJ printing and clearing EJ data when issuing general Z1 report  PGM mode operation records type  REG/MGR/VOID modes operation records type  Compressing printing for EJ data | Always enter 0.  Temporary EJ printing during a transaction Enable*  EJ printing and clearing EJ data when issuing general Z1 report  PGM mode operation records type  PEG/MGR/VOID modes operation PEG/MGR/VOID modes oper |

#### Temporary EJ printing during a transaction

• If selecting "enable", you can print journal data of a current transaction recorded in EJ memory by pressing the with the form key during the transaction. To realize this function completely, the cash register must be programmed to print the receipt and set the Receipt ON/OFF function to OFF.

#### PGM mode operation records type

• The header information only is printed during the program reading operation. The header information only is printed for X/Z reports.

(Receipt sample for Header Information only)

22/05/2007 123456#001104 8:21 01 CLERK 01 \*X1\* \* DEPT \* \*TRANS. \*

#### Action when EJ memory area is full

• By default, when the memory for EJ becomes nearly full, the cash register shows "EJ NEAR FULL", and the cash register keeps storing new data while erasing the oldest data. When "0" is selected, the cash register will no longer show EJ memory nearly full message. When "2" is selected, the cash register shows EJ memory nearly full message and when the memory is totally full, the cash register locks the sales/data entry with a display of the memory full message "EJ DATA FULL". You must issue an EJ report (Z1 report) at this time.

#### Job code: 69

| Item: |   | Selection:                | Entry: |  |
|-------|---|---------------------------|--------|--|
| A     | Always enter 0.                         |                           | 0      |  |
| В     | Always enter 0.                         |                           | 0      |  |
| С     | Always enter 0.                         |                           | 0      |  |
| D     | Rounding of foreign currency for EX     | Rising to unit*           | 0      |  |
|       |   | Round off (4 down/5 up)   | 1      |  |
| E     | Tax system                              | Auto tax 1-4              | 0      |  |
|       |   | Auto VAT 1-4*             | 1      |  |
|       |   | Manual VAT 1-4            | 2      |  |
|       |   | Manual VAT 1              | 3      |  |
|       |   | Manual tax 1-4            | 4      |  |
|       |   | Auto VAT 1 & Auto tax 2-4 | 5      |  |
| F     | Tax print when taxable subtotal is zero | No*                       | 0      |  |
|       |   | Yes                       | 1      |  |
| G     | Tax print when tax is zero              | Yes*                      | 0      |  |
|       |   | No                        | 1      |  |
| Н     | Rounding system                         | Normal*                   | 0      |  |
|       |   | Sweden                    | 1      |  |
|       |   | Denmark                   | 2      |  |

#### Rounding system

• When you live in Sweden or Denmark, change the default setting (H=0) to the corresponding setting.

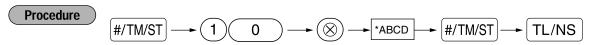
## **3** Various Function Selection Programming 2

The cash register provides various options so you can use the register to suit your sales needs.

In this section, you can program the following features (parameters within parentheses indicate default setting):

- Power save mode (entering the power save mode after 30 minutes)
- Logo message print format (Header 6-line message)
- · Thermal printer density (standard density)
- EJ memory type (EJ 9000 records and PLU 210 codes)
- Training clerk specification (none) If you specify a clerk number who is trained for use on this cash register, the cash register will go into training mode when the clerk is signed on for sales entries. The sales operations done by the trained clerk do not affect sales totals. For details, refer to TRAINING MODE section.

#### Power save mode



| Item: |  | Selection: | Entry:         |
|-------|--|------------|----------------|
| Α     | Entering power save mode               | Yes*       | 0              |
|       | when time is displayed                 | No         | 1              |
| B-D   | Time(min.) to entering power save mode |            | 001-254 or 999 |
|       | since no operation is made             |            | (Default 030)  |

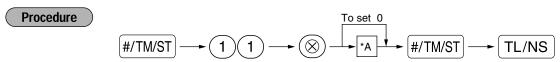
Note

When 999 is set for B to D, entering into power save mode is inhibited.



## ■ Logo message print format

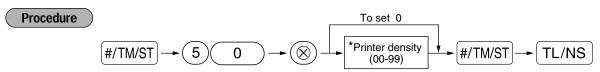
You can select the number of lines for your logo message, and the position to print it on receipt. For details of the logo message type, please refer to "Logo messages" on page 23.



- \*A: Logo message type
  - 0: Header 3-line message without graphic logo
  - 3: Header 6-line message
  - Header 3-line message and footer 3-line message (default)



## **■** Thermal printer density

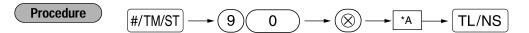


\* 50 (100%) is the default setting. To make the print darker, set a larger number, and to make the print lighter, set a smaller number.



## **■** EJ memory type

Caution When this procedure is executed, EJ data is cleared, and PLU data (programming data and sales data) are reset to the default after all data is cleared even if the same memory type is selected.



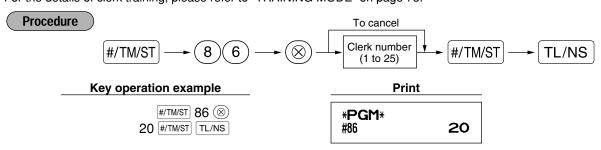
\*A: 0 for EJ 8000 lines and PLU 1200 codes

1 for EJ 9000 lines and PLU 210 codes (default)



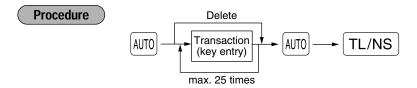
## ■ Training clerk specification for training mode

For the details of clerk training, please refer to "TRAINING MODE" on page 73.

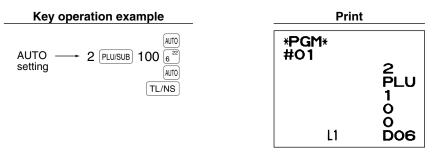


## ■ AUTO key programming — Automatic sequence key

If you program frequently performed transactions or report sequences for the woo key, you can recall those transactions and/or reports simply by pressing the woo key in key operations.



Programming for [AUTO]; entering a PLU 2 item and a dept. 6 item (unit price: 1.00)



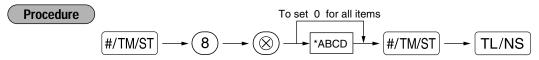
Note

When the AUTO key has been programmed to execute a report job function, the mode switch must be in the appropriate position (OPX/Z for individual clerk reports, X1/Z1 for daily reports or X2/Z2 for weekly or monthly reports).

## **4 EURO Programming**

For details of EURO migration operation, please refer to "EURO MIGRATION FUNCTION".

## **■** EURO system settings



| Item: |                                     | Selection:      | Entry: |  |
|-------|-------------------------------------|-----------------|--------|--|
| A     | Printing exchange total amount and  | No*             | 0      |  |
|       | change amount on receipt or journal | Yes             | 1      |  |
| В     | Always enter 0.                     |                 | 0      |  |
| С     | Cheque and credit operation when    | No*             | 0      |  |
|       | tendering in foreign currency       | Yes             | 1      |  |
| D     | Exchange calculation method         | Multiplication* | 0      |  |
|       |                                     | Division        | 1      |  |

#### Printing exchange total amount and change amount on receipt/journal

 Total and change amounts in exchange currency are printed respectively below each of the total and exchange amounts in domestic currency.

#### **Exchange calculation method**

• "Division" or "Multiplication" can be selected for the conversion method from domestic currency to exchange currency, and the calculation is performed as follows:

In case that "Division" is selected:

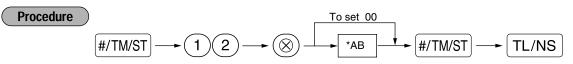
Domestic currency amount ÷ Exchange rate = Exchange amount

In case that "Multiplication" is selected

Domestic currency amount × Exchange rate = Exchange amount



## ■ Automatic EURO modification operation settings



| * <u>Item</u> | 1:   | Selection:     | Entry: |
|---------------|--|----------------|--------|
| Α             | Converting the preset unit price of Dept./PLU in the automatic | Yes*           | 0      |
|               | modification operation for EURO (job #800 in the X2/Z2 mode)   | No             | 1      |
| В             | Automatic modification operation for EURO                      | Compulsory*    | 0      |
|               | (job #800 in the X2/Z2 mode) at the preset date                | Non-compulsory | 1      |

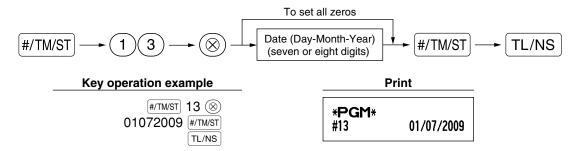
| Key operation example            | Print                 |    |
|----------------------------------|-----------------------|----|
| #/TW/ST 12 (S) 01 #/TW/ST TL//NS | * <b>PGM</b> *<br>#12 | 01 |

Note

If you have already made the Job #800 operation with the substitution of 3 for "A" in the X2/Z2 mode, this programming is disabled.

## ■ Date setting for EURO modification operation

#### **Procedure**

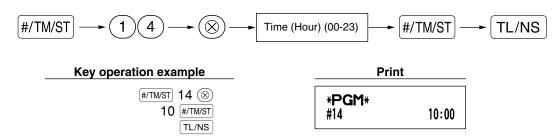


## Note

- In case you changed the date format using job code 61, follow the format you selected for setting the date.
- If all zeros are set, this programming is disabled.
- If you have already made the Job #800 operation with the substitution of 3 for "A" in the X2/Z2 mode, this programming is disabled.

## **■** Time setting for EURO modification operation

### Procedure



Note

• If you have already made the Job #800 operation with the substitution of 3 for "A" in the X2/Z2 mode, this programming is disabled.

## **5** Reading Stored Programs

The machine allows you to read every program stored in the PGM mode.

## Key sequence for reading stored program

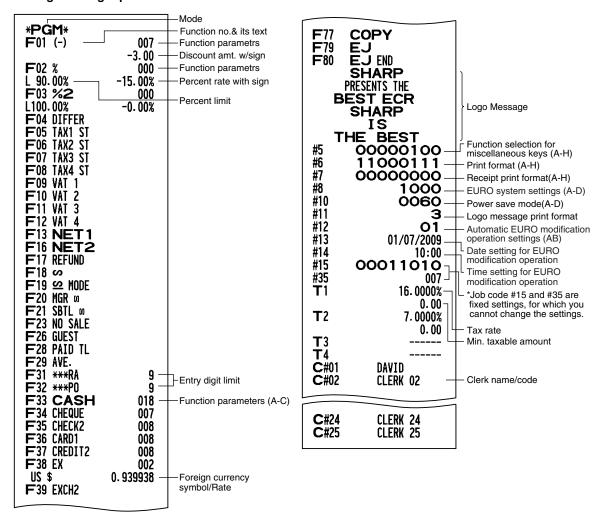
| Report name                        | Key sequence                            |
|------------------------------------|---|
| Programming report 1               | TL/NS                                   |
| Programming report 2               | 2 TL/NS                                 |
| Auto key programming report        | 1 TL/NS                                 |
| Printer density programming report | 3 TL/NS                                 |
| Department programming report      | 4 TL/NS                                 |
| PLU programming report             | Start PLU code → End PLU code → PLU/SUB |
|                                    |   |

Note

To stop reading programming report, turn the mode switch to the MGR position.

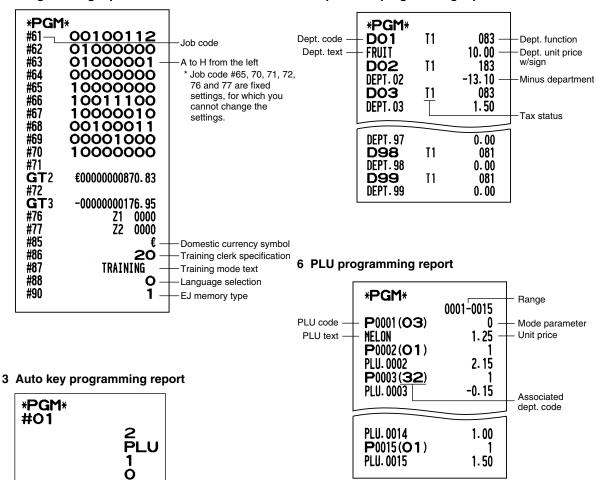
# ■ Sample printouts

# 1 Programming report 1



### 2 Programming report 2

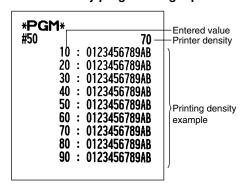
### 5 Department programming report



### 4 Printer density programming report

**D06** 

L1



# TRAINING MODE

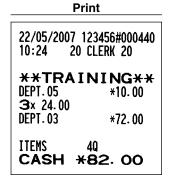
The training mode is used when the operator or the manager practices register operations.

When a clerk in training is selected, the machine automatically enters the training mode. To specify a clerk to be trained, refer to "Training clerk specification for training mode" in "ADVANCED FUNCTION PROGRAMMING" in page 67.

The training operation is valid only in REG, MGR and only in REG.

The corresponding clerk memory is only updated in the training mode.

# Key operation example A clerk set in training 20 CLK# 1000 5 21 3 8 3 19 TL/NS



# READING (X) AND RESETTING (Z) OF SALES TOTALS

- Use the reading function (X) when you need to take a reading of sales information entered since the last reset. You can take this reading any number of times. It does not affect the register's memory.
- Use the resetting function (Z) when you need to clear the register's memory. Resetting prints all sales information and clears the entire memory except for the GT1 through GT3, Training GT, BAL, reset count, and consecutive number.

# 1 Summary of Reading (X) and Resetting (Z) Reports

X1 and Z1 reports: Daily sales reports

X2 and Z2 reports: Periodic (monthly) consolidation reports

When you take an X or Z report, turn the mode switch to the appropriate position referring to the column of "Mode switch position" shown on the table below, and use the following corresponding key sequence.

| Item   | Mode switch position |                               | osition | Vou anavation   |  |
|--|----------------------|-------------------------------|---------|---|--|
| item   | OPX/Z                | X/Z X1/Z1 X2/Z2 Key operation |         |   |  |
| Flash report: (Only display) To clear the display, press the ©L key or turn the mode switch to another position. | x                    | _                             | _       | Dept. code DEPT#: Department sales total  For dept. 1 to 16: Dept. key ( 17 to 16 )  For dept. 17 to 32: DEPTSHIFT Dept. key ( 17 to 16 ) |  |
| Full sales report  | _                    | X1, Z1                        | X2, Z2  | Reading: TL/NS Resetting: ● → TL/NS   |  |
| PLU report by designated range   | _                    | X1, Z1                        | _       | Reading:  Start PLU code PLU/SUB  Resetting:  All PLUs  Start PLU code PLU/SUB  PLU/SUB   |  |
| Individual clerk report  | X, Z                 | _                             | _       | Reading: CLK# Resetting: ● → CLK#  (The report of the current clerk)  |  |
| Full clerk report  | _                    | X1, Z1                        | _       | Reading: CLK# Resetting: ● ← CLK#   |  |
| Hourly report  | _                    | X1, Z1                        | _       | Reading: #/TM/ST Resetting: • #/TM/ST   |  |

# Note

- When both sales quantities and sales amounts are zero, printing is skipped. If you do not want to skip, change the programming. (Refer to "Print format" of "Various Function Selection Programming 1".)
- "X" represents read symbol and "Z" represents reset symbol in the reports.
- To stop reading and resetting the PLU sales report, turn the mode switch to the MGR position. The data will not be erased when you reset.
- The drawer does not open when you take X/Z reports.

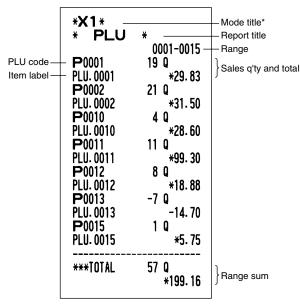
  The drawer can be opened by pressing the TL/NS key to remove the till after closing your business.
- When printing is performed continuously, the printing may be intermitted several seconds. After the intermission, the printing will be restarted.

# 2 Daily Sales Totals

For the sample reports of the full sales and periodic consolidation report, refer to "FULL SALES REPORT (Z REPORT)" on page 30.

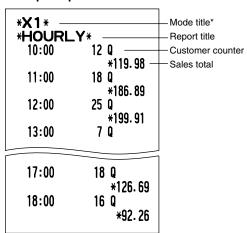
# ■ PLU report by designated range

# Sample report



# ■ Hourly report

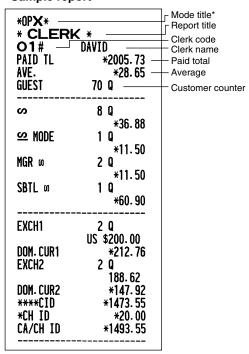
### Sample report



<sup>\*:</sup> When you take Z1 report, "Z1" is printed.

# ■ Individual clerk report

# Sample report



# ■ Full clerk report

The printout occurs in the same format as in the sample report of individual clerk, but all clerk's sales data and total of all clerks are printed in the order of clerk number (from #1 to #25).

# EJ REPORT READING AND RESETTING

The cash register provides an electronic journal (EJ) function. This function is intended to record the journal data in a memory instead of journal paper, and print the data as an EJ report. The register records the journal data in REG, PGM, [22], X1/Z1 and X2/Z2 modes. By default, a maximum of 9000 lines are stored in the memory. For details of EJ programming, please refer to "Other programming (Job code 68)" on page 64 and "EJ memory type" on page 67.

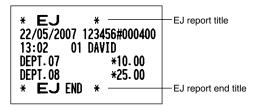
# Printing journal data on the way of a transaction

You can print journal data of a current transaction recorded in EJ memory by pressing the RPTPD key during the transaction.

Note

This function is valid when the printing style is programmed to receipt, and the receipt ON/OFF function is set to OFF. For changing the setting, refer to "Additional Information for BASIC SALES ENTRY".

### Sample print



# ■ Reading and resetting the electronic journal data (Issuing EJ report)

You can read the journal data stored in the EJ memory in the journal format by executing the following procedure in the X1/Z1 or OP X/Z mode.

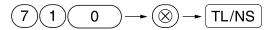
To read all of the data:



To reset all of the data:



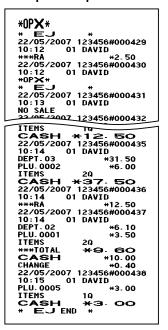
To read the last 10 records:



# Note

- To stop reading or resetting the data, turn the mode switch to "MGR" position. The data will not be erased when resetting.
- On the EJ memory, a maximum of 9000 (or 8000, depending on programming) lines of data can be stored. When executing all data reading, all of the data stored in the EJ memory will be printed. Refer to "EJ memory type" for the programming.
- When printing is performed continuously, the printing may be intermitted several seconds. After the intermission, the printing will be restarted.

### Sample EJ report



# **OVERRIDE ENTRIES**

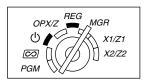
Programmed limit for functions (such as for maximum amounts) can be overridden by making an entry in the MGR mode.

Procedure

- 1. Turn the mode switch to the MGR position.
- **2.** Make an override entry.



In this example, the register has been programmed not to allow discounts entries over 1.00.



# Key operation example

REG mode  $1500 \frac{1}{3}$  entries  $250 \bigcirc$  ...Error

Turn the mode switch to the MGR position.

250 🗇

Return the mode switch to the REG position.

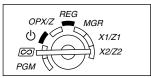
TL/NS

| Print         |                   |  |
|---------------|-------------------|--|
| DEPT. 03      | *15. 00<br>-2. 50 |  |
| ITEMS<br>CASH | 10<br>*12. 50     |  |

# CORRECTION AFTER FINALIZING A TRANSACTION (Void mode)

When you need to void incorrect entries that clerks cannot correct (incorrect entries found after finalizing a transaction or cannot be corrected by direct or indirect void), follow this procedure:

- **1.** Turn the mode switch to the position using the manager key (MA), to enter into the void mode.
- Repeat the entries that are recorded on an incorrect receipt. (All data on the incorrect receipt is removed from register memory; the voided amounts are added to the void mode transaction totalizer.)



### Incorrect receipt

DEPT. 04 \*10.00 DEPT. 03 \*1.50 ITEMS 20 CASH \*11.50



# **Cancellation receipt**

\* MODE \*
DEPT. 04 \*10. 00
DEPT. 03 \*1. 50

ITEMS 20
CASH \*11. 50

# **EURO MIGRATION FUNCTION**

# Note

• EURO programming described in this section are for users in the countries which will join to the members of the European Currency Union, not for the users in the countries already have joined the Union.

Your register can be modified to correspond with each period set for the introduction of EURO, and in your register each currency is treated as shown on the table below depending on which period you are in. Basically your register can be automatically modified to correspond to the introduction of EURO by executing automatic EURO modification operation shown below in the X2/Z2 mode. However, there are several options you must set depending on your needs. So, please carefully conduct necessary settings.

# How currencies are treated in your register

|        |                   | Period 1   | Period 2  | Period 3  |
|--------|-------------------|--|---|---|
|        |                   | After the introduction of EURO, and before EURO banknotes and coins begin to circulate | After EURO banknotes and coins begin to circulate, and before national currency is withdrawn from circulation. (Co-existence of EURO and national currency) | After the national currency is withdrawn from circulation |
| C      | EURO              | Exchange key (Preset rate entry)   | Domestic currency   | Domestic currency   |
| urren  | National currency | Domestic currency  | Exchange key (Preset rate entry)  |   |
| ્ટ<br> | Foreign currency  | Exchange key<br>(Manual rate entry)  | Exchange key<br>(Manual rate entry)   | Exchange key  |

# **Automatic EURO modification operation**

Make sure the mode switch is in the X2/Z2 mode first, then perform the following procedure. Please note that you can perform each operation only once with the substitution of "A=1", "A=2" and "A=3". For example if you performed the operation with the substitution of "A=2" first, you cannot perform the operation with the substitution of "A=1".



\*A=1: Applicable for period 1 \*A=2: Applicable for period 2

\*A=3: Applicable for period 3

The details of the register system modification are as shown below:

| Items   | <b>A=1</b> (EURO status 1) | A=2<br>(EURO status 2)                            | A=3<br>(EURO status 3) |
|---|----------------------------|---|------------------------|
| General Z1 report                             | Issue                      | Issue   | Issue                  |
| General Z2 report                             | Issue                      | Issue   | Issue                  |
| GT memories (GT1, GT2, GT3 and Training GT)   | -                          | Clear   | Clear*1                |
| Conversion of preset prices of Dept./PLU      | -                          | Yes   | Yes*1                  |
| Conversion of entry digit/amount limit        | -                          | Yes   | Yes*1                  |
| Exchange amount printing for total and change | Yes                        | Yes   | No                     |
| Exchange calculation method                   | Division                   | Multiplication                                    | Multiplication         |
| Domestic currency symbol                      | -                          | [EURO]  | [EURO]                 |
| Domestic currency decimal point position      | =                          | 2   | 2                      |
| Exchange currency symbol                      | [EURO]                     | Previous domestic currency symbol                 | -*2                    |
| Exchange currency decimal point position      | 2                          | Previous domestic currency decimal point position | -                      |
| Rounding system (Denmark/Sweden/Normal)       | -                          | Normal  | Normal*1               |
| Rounding up/down of the unit digits of amount | -                          | No  | No*1                   |
| Lowest digit entering limitation of item      | -                          | Arbitrary   | Arbitrary*1            |
| Lowest digit entering limitation of payment   | -                          | Arbitrary   | Arbitrary*1            |
| Memory of difference due to rounding          | -                          | No  | No*1                   |
| Rounding of exchange currency                 | Round off<br>(4 down/5 up) | Round off   | Round off              |

- The item marked with "-" remains the same as the previous data.
- \*1: When you perform from EURO status 2, previous data remains unchanged.
- \*2: When you perform from EURO status 1 or 2, "space" is set.

### **IMPORTANT**

- Conversion of the preset unit prices of departments and PLUs

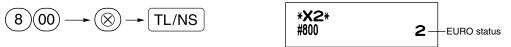
  Note that the conversion rate of the preset rate of the EX key is applied for the conversion, and the method is set to "division". When the conversion is performed, the message "PRICE CONVERTED" will be printed on the #800 report.
- After the execution of the procedure with "A=1", treat EURO as foreign currency using the exchange key (EX) with the preset rate entry. Set the EURO conversion rate as the currency exchange rate for the exchange key.
- After the execution of the procedure with "A=2", treat EURO as domestic currency, and national currency as foreign currency using the exchange key (EX) with the preset rate entry. Set the EURO conversion rate as the currency exchange rate for the exchange key.
- As for the percent rate for [%1], [%2] and [ $\bigcirc$ ], the automatic conversion is not made. So, when your domestic currency becomes EURO, you must change these settings so that they are base on EURO currency.



You can manually make these settings. For programming details, please refer to "EURO Programming" section.

### Checking the current EURO status

You can check the EURO status currently set on the cash register. Set the manager key (MA) to the X2/Z2 position, and perform the following sequence. The current EURO status will be printed on the receipt/journal.



# Optional Programming for the Introduction of EURO

Some programming relating with the function of exchange key (EX) cannot be changed automatically with the execution of modification operation described in the previous section. After the execution on each period, conduct the following programming depending on your needs.

# Programming for Exchange Key (EX)

# Currency exchange rate

For period 1 and period 2, set the EURO conversion rate. For programming details, refer to "Programming for EX" on page 51.

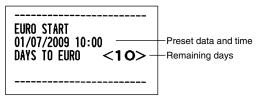
# Exchange rate entry selection

When you treat EURO currency in the exchange key, you must apply preset rate entry. So, make enable for preset rate entry for period 1 and period 2. For programming details, refer to "Programming for EX" on page 51.

### Cheque/credit operation

For period 1 and period 2, enable cheque/credit operation when tendering in foreign currency so that you can treat cheque and credit for EURO currency and national currency. For programming details, refer to "EURO system settings" on page 69.

Setting the date and time when the automatic modification operation for EURO should be executed Selection of compulsory/non-compulsory of execution of the automatic modification operation for EURO You can program the scheduled date and time to execute the automatic EURO modification operation . From ten days before the preset date, the remaining days are printed at the bottom of the daily full resetting (Z1) report as follows.



When the above-mentioned preset date and time has come, and also when you start an entry in the REG/MGR mode, the error message "EURO CHANGE" is displayed. You cannot make any operation in the REG/MGR mode until you execute the automatic modification operation for EURO (job #800) in the X2/Z2 mode. You can program so that you can make entries in the REG/MGR mode even when the error message is displayed.

Date and time setting will be reset after the execution of the automatic modification operation and you can program again the date and time for the next automatic modification operation.

# **OPERATOR MAINTENANCE**

# 1 In Case of Power Failure

When power is lost, the machine retains its memory contents and all information on sales entries.

- When power failure is encountered in register idle state or during an entry, the machine returns to normal operation after power recovery.
- When power failure is encountered during a printing cycle, the register prints
   "=======" and then carries out the correct printing procedure after
   power recovery. (See the sample print.)

| C#16 | CLERK 16 |
|------|----------|
| C#17 | CLERK 17 |
| C#17 | CLERK 17 |
| C#18 | CLERK 18 |

# 2 In Case of Printer Error

If the printer runs out of paper, the printer will stall, and "PAPER EMPTY" will appear on the display. Key entries will not be accepted. Refer to section 5 in this chapter, install a new roll, then press the CL key. The printer will print the power failure symbol and resume printing.

If the print roller arm comes up, the printer stalls, "HEAD UP" will appear on the display. Key entries will not be accepted. Push down the arm until it is securely locked, then press the CL key. The printer will print the power failure symbol and resume printing.

# 3 Cautions in Handling the Printer and Recording Paper

# Cautions in handling the printer

- Avoid dusty and humid environments, direct sunlight and iron powder. (A permanent magnet and electromagnet are used in this machine.)
- Never pull the paper when the print roller arm is locked. First lift up the arm, and then remove the paper.
- Never touch the surface of the print head and print roller.

# Cautions in handling the recording paper (thermal paper)

- Use only the paper specified by SHARP.
- · Do not unpack the thermal paper until you are ready to use it.
- Avoid heat. The paper will color at around 70°C.
- Avoid dusty and humid storage places. Avoid direct sunlight.
- The printed text on the paper can discolor under conditions of high humidity and temperature, exposure to the direct sunlight, contact with glue, thinner or a freshly copied blueprint, and heat caused by friction from scratching or other such means.
- Be very careful when handling the thermal paper. If you want to keep a permanent record, copy the printed text with a photocopier.

# 4 Replacing the Batteries

This cash register displays a low battery warning message "LOW BATTERY" when the batteries are low, and displays a no battery warning message "NO BATTERY" when batteries are extremely low or batteries are not installed.

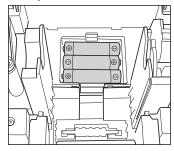
When the low battery message is displayed, replace the batteries with new ones as soon as possible. The existing batteries will be dead in about two days.

When the no battery message is displayed, replace the batteries immediately. Otherwise, if the AC power cord is disconnected or a power failure occurs, all the programmed settings will be reset to the default settings and any data stored in memory will be cleared.

Note

Be sure to observe precautions shown on page 1 when handling batteries.

### To replace the batteries:



- 1. Make sure that the cash register is plugged in.
- 2. Remove the printer cover.
- Open the battery compartment cover next to the paper roll cradle and remove the old batteries.
- **4.** Install three new alkaline batteries LR6 ("AA" size) in the battery compartment. Be sure the positive and negative poles of each battery are facing in the proper direction. When they are installed correctly, the "LOW BATTERY" or "NO BATTERY" will disappear.
- **5.** Close the battery compartment cover.
- **6.** Replace the printer cover.

# 5 Replacing the Paper Roll

Be sure to use paper rolls specified by SHARP.

The use of any other paper rolls other than those specified could cause paper jamming, resulting in register malfunction.

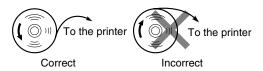
### Paper specification

Paper width: 57.5 ± 0.5 mm Max. outside diameter: 80 mm Quality: Thermal paper

• Be sure to set the paper roll prior to using your machine, otherwise it may cause a malfunction.

Install the paper roll in the printer. Be careful to set the roll correctly.

(How to set the paper roll)

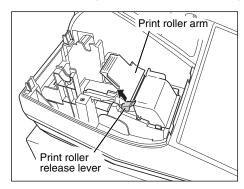


# Removing the paper roll

When a red dye appears on the paper roll, it is time to replace it. Replace the paper roll with a new one. If you plan on not using the register for an extended period of time, remove the paper roll, and store it in an appropriate place.

Caution: The paper cutter is mounted on the printer cover. Be careful not to cut yourself.

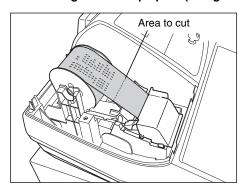
# When not using the take-up spool (using as receipt paper):



- **1.** Remove the printer cover.
- 2. Lift up the print roller release lever to unlock and open the print roller arm.
- **3.** Remove the paper roll from the paper roll cradle.

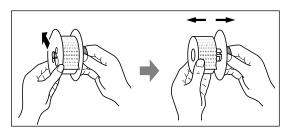
**Note** Do not pull the paper through the printer.

# When using the take-up spool (using as journal paper):



- **1.** Turn the mode switch to a position other than " o " with the power cord connected.
- **2.** Remove the printer cover.
- 3. Press the \( \gamma \) key to advance the journal paper until its printed part is out of the way.
- **4.** Cut the paper and remove the take-up spool.
- 5. Lift up the print roller release lever to unlock and open the print roller arm.
- **6.** Remove the paper roll from the paper roll cradle.

Do not pull the paper through the printer.

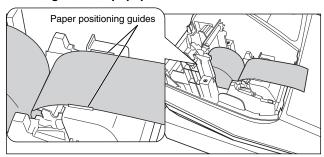


- **7.** Remove the outer side of the take-up spool as shown
- **8.** Remove the printed journal roll from the take-up spool.

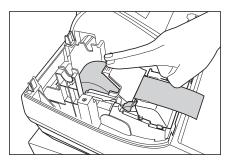
# ■ Installing the paper roll

Caution: The paper cutter is mounted on the printer cover. Be careful not to cut yourself.

### Installing the receipt paper roll:



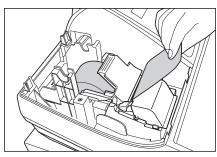
- 1. Turn the mode switch to a position other than "o" with the power cord connected.
- **2.** Remove the printer cover.
- **3.** Lift up the print roller release lever to unlock and open the print roller arm.
- **4.** Set the paper correctly in the paper roll cradle.
- **5.** Feed the end of the paper along with the paper positioning guides.



6. While holding down the paper, slowly close the print roller arm, and push down the arm until you hear a click locking the arm. Make sure securely you push down the center of the wing part of the arm as per the diagram. The paper will be fed automatically.

Note

If the print roller arm is not securely locked, printing is not done right. If this problem occurs, open the arm, and close the arm as instructed above.

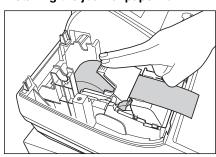


7. Cut off the excess paper using the edge of the inner cover, and replace the printer cover. Press the key to make sure the paper end comes out of the printer cover and clean paper appears.

Note

If the paper end does not come out, open the printer cover, and pass the paper end between the paper cutter and the paper guide of the printer cover, and replace the cover.

### Installing the journal paper roll:

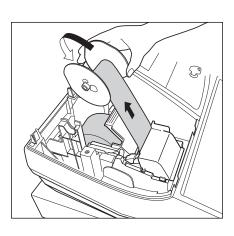


- 1. Turn the mode switch to a position other than " ტ " with the power cord connected.
- **2.** Remove the printer cover.
- Lift up the print roller release lever to unlock and open the print roller arm.
- **4.** Set the paper correctly in the paper roll cradle.
- **5.** Feed the end of the paper along with the paper positioning guides.
- 6. While holding down the paper, slowly close the print roller arm, and push down the arm until you hear a click locking the arm. Make sure securely you push down the center of the wing part of the arm as per the diagram. The paper will be fed automatically.

Note

If the print roller arm is not securely locked, printing is not done right. If this problem occurs, open the arm, and close the arm as instructed above.

# Part 1 Part 2 Part 3 FOR THE MANAGER



- 7. Insert the end of the paper into the slit in the spool. (Press the 1.5) key to feed more paper if required.)
- **8.** Wind the paper two or three turns around the spool shaft.
- **10.** Replace the printer cover.

# Note

You can wind the roll paper in OP X/Z, X1/Z1, and X2/Z2 modes even if you programmed so that the printer is used for issuance of receipts. This may be convenient to wind reports. In this case, set the roll paper to the take-up spool.

# **6** Removing a Paper Jam

Caution: The paper cutter is mounted on the printer cover. Be careful not to cut yourself. Never touch the print head immediately after printing, as the head may still be hot.

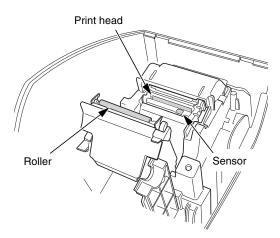
- **1.** Remove the printer cover.
- 2. Lift up the print roller release lever to unlock and open the print roller arm.
- 3. Remove the paper jam. Check for and remove any shreds of paper that may remain in the printer.
- 4. Reset the paper roll correctly by following the steps in "Installing the paper roll".

# 7 Cleaning the Printer (Print Head / Sensor / Roller)

When the printed text is getting dark or faint, paper dust may be stuck to the print head, sensor and/or roller. Clean them as follows:

### Caution:

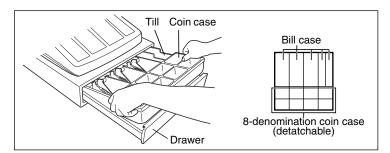
- Never touch the print head with a tool or anything hard as it may damage the head.
- The paper cutter is mounted on the printer cover. Be careful not to cut yourself.

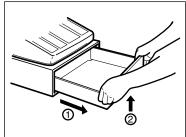


- 1. Turn the mode switch to the "  $\circlearrowleft$  " position.
- **2.** Remove the printer cover.
- **3.** Lift up the print roller release lever to unlock and open the print roller arm.
- **4.** Remove the paper roll referring to the "Removing the paper roll" section.
- **5.** Clean the print head with a cotton swab or soft rag moistened with ethyl alcohol or isopropyl alcohol. Clean the roller and the sensor in the same manner.
- **6.** Reset the paper roll correctly by following the steps in "Installing the paper roll".

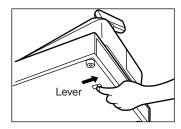
# **8** Removing the Till and the Drawer

The till in the register is detachable. After closing your business for the day, remove the till from the drawer and keep the drawer open. The 8-denomination coin case is also detachable from the till. To detach the drawer, pull it forward fully with the till removed, and remove it by lifting it up.





# 9 Opening the Drawer by Hand



The drawer automatically opens. However, when a power failure occurs or the machine becomes out of order, slide the lever located on the bottom of the machine in the direction of the arrow. (See the diagram at the left.) The drawer will not open if it is locked with the key.

# 10 Before Calling for Service

The malfunctions shown in the left-hand column below, labelled "Fault," do not necessarily indicate functional faults of the machine. It is therefore advisable to refer to "Checking" shown in the right-hand column before calling for service.

| Fault  | Checking   |
|--|--|
| (1) The display shows symbols that do not make sense.  | Has the machine been initialized properly as shown in<br>"PREPARING THE CASH REGISTER" on page 8?<br>(Note that initialization clears all the data and programmed<br>settings stored in memory.)                             |
| (2) The display won't illuminate even when the mode switch is turned to any other position than "也". | Is power supplied to the electrical outlet?     Is the power cord plug out or loosely connected to the AC outlet?  |
| (3) The display is illuminated, but the whole machine refuses registrations.                         | Is a clerk code assigned to the register?     Is the mode switch set properly at the "REG" position?   |
| (4) No receipt is issued.  | <ul> <li>Is the paper roll properly installed?</li> <li>Is there a paper jam?</li> <li>Is the receipt function in the "OFF" status?</li> <li>Is the print roller arm securely locked?</li> </ul>                             |
| (5) No journal paper is taken up.  | <ul><li>Is the take-up spool installed on the bearing properly?</li><li>Is there a paper jam?</li></ul>  |
| (6) Printing is unusual.   | Is the print roller arm securely locked?     Open the print roller arm, and lock the arm by following the instruction of installation.     Is the paper roll properly installed?     Are the print head/sensor/roller clean? |
| (7) Continuous printing stops.   | • Display shows " $\to$ $\to$ $\to$ $\to$ ". Printing will automatically restart after several seconds.  |

# **■** Error message table

When the following error messages are displayed, press the ©L key and take a proper action according to the table below.

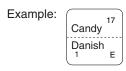
| table below.  |  |   |
|---------------|--|---|
| Error message | Error status   | Action  |
| ENTRY ERROR   | Registration error   | Make a correct key entry.                           |
| MISOPERATION  | Misoperation error   | Make a correct key entry.                           |
| NO RECORD     | Undefined code is entered.                                       | Enter a correct code.                               |
| MEMORY FULL   | Memory is full (in the AUTO key programming).                    | Program the AUTO key within 25 steps.               |
| SBTL COMPUL.  | Compulsory depression of the #/TW/ST key for direct finalization | Press the #/TM/ST key and continue the operation.   |
| TEND COMPUL.  | Compulsory tendering   | Make a tendering operation.                         |
| NOT ASSIGNED  | No entry of a clerk code   | Make a clerk code entry.                            |
| OVER LIMIT.   | Overflow limitation error  | Make a registration within a limit of entry.        |
| INH. OPEN PR  | The open price entry is inhibited.                               | Make a preset price entry.                          |
| INH. UNIT PR  | The preset price entry is inhibited.                             | Make an open price entry.                           |
| NOT NON-TEND  | The direct finalization is inhibited.                            | Make a tendering operation.                         |
| BUFFER FULL   | Subtotal void is not allowed.                                    | Finalize the transaction, and correct the wrong     |
|               |  | entries in the 🖾 mode.                              |
| HEAD UP       | Print roller arm is lifted up.                                   | Make sure the print roller arm is surely rocked.    |
| PAPER EMPTY   | Receipt or journal paper roll is not installed or empty.         | Install a receipt or journal paper.                 |
| EURO CHANGE   | EURO modification operation must be executed                     | Execute EURO modification operation (Job code 800). |

# **SPECIFICATIONS**

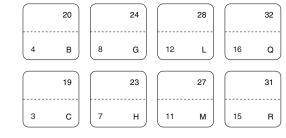
| Model:               | XE-A203  |                |  |  |
|----------------------|--|----------------|--|--|
| Dimensions:          | 355 (W) x 430 (D) x 312 (H) mm                               |                |  |  |
| Weight:              | 11 kg  |                |  |  |
| Power source:        | Official (nominal) voltage and frequency                     |                |  |  |
| Power consumption:   | Stand-by: 11.5W (When the official voltage is 220 to 230 V)  |                |  |  |
|                      | Stand-by: 11.4W (When the official voltage is 230 to 240 V)  |                |  |  |
|                      | Operating: 41.4W (When the official voltage is 220 to 230 V) |                |  |  |
|                      | Operating: 41.8W (When the official voltage is 230 to 240 V) |                |  |  |
| Working temperature: | 0 °C to 40 °C  |                |  |  |
| Electronics:         | LSI (CPU) etc.   |                |  |  |
| Display:             |  |                |  |  |
| Operator display:    | Dot matrix display (16 position                              | ns and 1 line) |  |  |
| Customer display:    | 7-segment display (7 positions                               | 3)             |  |  |
| Printer:             |  |                |  |  |
| Type:                | One-station thermal printer                                  |                |  |  |
| Printing speed:      | Approx. 12 lines/second                                      |                |  |  |
| Printing capacity:   | 24 digits each for receipt/jourr                             | nal paper      |  |  |
| Other functions:     | Graphic logo printing function                               |                |  |  |
|                      | Logo message function  |                |  |  |
|                      | Receipt (ON-OFF) function                                    |                |  |  |
|                      | Compression print for journal                                |                |  |  |
| Paper roll:          | Width: 57.5 ± 0.5 mm   |                |  |  |
|                      | Max. diam.: 80 mm  |                |  |  |
|                      | Quality: High quality (0.06 to 0.08 mm thickness)            |                |  |  |
| Cash drawer:         | 5 slots for bill and 8 for coin denominations                |                |  |  |
| Accessories:         | Manager key  | 2              |  |  |
|                      | Operator key   | 2              |  |  |
|                      | Drawer lock key  | 2              |  |  |
|                      | Paper roll   | 1              |  |  |
|                      | Take-up spool  | 1              |  |  |
|                      | Instruction manual   | 1 copy         |  |  |
|                      | Reset caution sheet  | 1 copy         |  |  |
|                      | Battery caution sheet  | 1 copy         |  |  |
|                      | "Where to Find" sheet  | 1 copy         |  |  |

<sup>\*</sup> Specifications and appearance subject to change without notice for improvement.

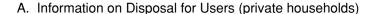
Use these labels with the department keys. Write department names on the labels and attach them to the department keys by first removing the transparent key covers. (Please make a copy of this page.)







### Part 1 ) F



# 1. In the European Union

Attention: If you want to dispose of this equipment, please do not use the ordinary dust bin!

Used electrical and electronic equipment must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment.

Following the implementation by member states, private households within the EU states may return their used electrical and electronic equipment to designated collection facilities free of charge\*. In some countries\* your local retailer may also take back your old product free of charge if you purchase a similar new one.

\*) Please contact your local authority for further details.

If your used electrical or electronic equipment has batteries or accumulators, please dispose of these separately beforehand according to local requirements.

By disposing of this product correctly you will help ensure that the waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

### 2. In other Countries outside the EU

If you wish to discard this product, please contact your local authorities and ask for the correct method of disposal.

For Switzerland: Used electrical or electronic equipment can be returned free of charge to the dealer, even if you don't purchase a new product. Further collection facilities are listed on the homepage of www.swico.ch or www.sens.ch.



### 1. In the European Union

If the product is used for business purposes and you want to discard it:

Please contact your SHARP dealer who will inform you about the takeback of the product. You might be charged for the costs arising from take-back and recycling. Small products (and small amounts) might be taken back by your local collection facilities.

For Spain: Please contact the established collection system or your local authority for take-back of your used products.

# 2. In other Countries outside the EU

If you wish to discard of this product, please contact your local authorities and ask for the correct method of disposal.



Attention: Your product is marked with this symbol. It means that used electrical and electronic products should not be mixed with general household waste. There is a separate collection system for these products.

### FOR CUSTOMERS IN U.K.

### **IMPORTANT**

The wires in this mains lead are coloured in accordance with the following code:

BLUE: Neutral BROWN: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows.

The wire which is coloured **BLUE** must be connected to the terminal which is marked with the letter **N** or coloured black.

The wire which is coloured **BROWN** must be connected to the terminal which is marked with the letter **L** or coloured red.

The apparatus must be protected by a 3A fuse in the mains plug or distribution board.

CAUTION: DO NOT CONNECT THE LIVE (BROWN) WIRE OR THE NEUTRAL (BLUE) WIRE TO THE EARTH TERMINAL OF YOUR 3-PIN MAINS PLUG.

### **Environment Protection**

The device is supported by a battery. To dispose the battery safely to protect the environment, please note the following points:

- · Take the used battery to your local waste depot, dealer or customer service centre for recycling.
- Do not throw the used battery into fire, into water or into the household waste!

### Umweltschutz

Das Gerät wird durch eine Batterie gestützt. Um die Batterie sicher und umweltschonend zu entsorgen, beachten Sie bitte folgende Punkte:

- Bringen Sie die leere Batterie zu Ihrer örtlichen Mülldeponie, zum Händler oder zum Kundenservice-Zentrum zur Entsorgung.
- · Werfen Sie die leere Batterie niemals ins Feuer, ins Wasser oder in den Hausmüll.

### Protection de l'environnement

L'appareil est supporté sur pile. Afin de protéger l'environnement, nous vous recommendons de traiter la pile usagée la façon suivante:

- Apporter la pile usagée à votre centre de traitement des ordures ménagères le plus proche ou, à votre revendeur ou, au service après-vente, pour recyclement.
- Ne jamais jeter la pile usagée dans une source de chaleur, dans l'eau ou dans les vide-ordures.

### Miijöskydd

Denna produkt nöddrivs av batteri.

Vid batteribyte skall följande iakttagas:

- Det förbrukade batteriet skall inlämnas till er lokala handlare eller till kommunal miljöstation för återinssamling.
- Kasta ej batteriet i vattnet eller i hushållssoporna. Batteriet får ej heller utsätttas för öppen eld.

### Bescherming van het milieu

Deze kassa gebruikt een batterij. Bescherm het milieu en gooi een gebruikte batterij op de juiste manier weg. Let op de volgende punten:

- Breng een lege batterij naar de lokale verzamelplaats voor klein chemisch afval, terug naar de winkel of gooi in een batterijbak.
- Gooi een gebruikte batterij niet in een vuur of water en gooi niet met het gewone huisafval weg.

Geräuschpegel LpA: 64,7 dB

Gemessen nach EN ISO 7779:2001



# SHARP ELECTRONICS (Europe) GmbH

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**SHARP CORPORATION**